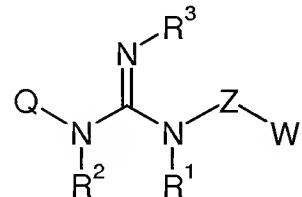


AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A Guanidine guanidine compound of the general formula I

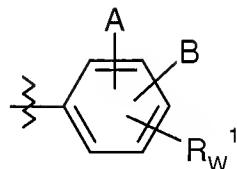


I

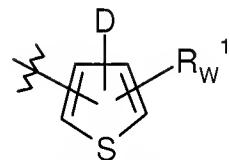
corresponding enantiomeric, diastereomeric and/or tautomeric forms thereof, as well as pharmaceutically acceptable salts thereof, wherein the given moieties have the following definitions:

W:

a moiety of the general formula W1 or W2

**W1**

or

**W2**

wherein

A:

NO_2 , NH_2 , OH , CN , CF_3 , OCF_3 , CHF_2 , OCHF_2 , COOH , $\text{O}-\text{CH}_2-\text{COOH}$, halogen, SH , or

each optionally substituted $\text{C}_1\text{-}\text{C}_6$ -alkyl, $\text{C}_2\text{-}\text{C}_6$ -alkenyl, $\text{C}_2\text{-}\text{C}_6$ -alkynyl, $\text{C}_3\text{-}\text{C}_7$ -cycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene- $\text{C}_3\text{-}\text{C}_7$ -cycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene-heterocyclo-alkyl, aryl, hetaryl, heterocycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene-hetaryl or $\text{C}_1\text{-}\text{C}_4$ -alkylene- aryl, or $\text{O}-\text{R}_A^1$, $\text{CO}-\text{R}_A^1$, $\text{S}-\text{R}_A^1$, $\text{SO}-\text{R}_A^1$, CO-O-R_A^1 , $\text{NR}_A^4\text{-CO-O-R}_A^1$, $\text{O}-\text{CH}_2\text{-COO-R}_A^1$, $\text{NR}_A^2\text{R}_A^3$, CONH_2 , SO_2NH_2 , $\text{NR}_A^4\text{-CO-R}_A^1$, $\text{SO}_2\text{-R}_A^1$, $\text{NR}_A^4\text{-SO}_2\text{-R}_A^1$, $\text{SO}_2\text{-NR}_A^2\text{R}_A^3$ or $\text{CO-NR}_A^2\text{R}_A^3$;

R_A¹:

each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocyclo-alkyl, aryl, hetaryl, heterocycloalkyl, C₁-C₄-alkylene-aryl, C₂-C₆-alkenylene-aryl or C₁-C₆-alkylene-hetaryl;

R_A²:

hydrogen, OH, CN, or

each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-hetaryl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, CO-C₁-C₆-alkyl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl, CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-C₁-C₄-alkylene-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl or SO₂-C₁-C₄-alkylene-hetaryl;

R_A³:

each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-hetaryl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, CO-C₁-C₆-alkyl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl, CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-C₁-C₄-alkylene-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl or SO₂-C₁-C₄-alkylene-hetaryl ;

or the the moieties R_A² and R_A³ form, together with the nitrogen, a 3 to 7-membered, optionally substituted, saturated or aromatic heterocycle which can contain one, two or three different or same heteroatoms from the group O, N, S; wherein optionally two moieties substituted on this heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or same heteroatoms O, N, S, and wherein the cycle

formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;

R_A⁴:

hydrogen or

each optionally substituted C₁-C₆-alkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, C₂-C₆-alkenyl, C₃-C₁₂-alkynyl, CO-C₁-C₆-alkyl, CO-O-C₁-C₆-alkyl, SO₂-C₁-C₆-alkyl, C₃-C₇-cycloalkyl, aryl, C₁-C₄-alkylene-aryl, CO-O-arylalkyl, CO-C₁-C₄-alkylene-aryl, CO-aryl, SO₂-aryl, hetaryl, CO-hetaryl or SO₂-C₁-C₄-alkylene-aryl;

B:

hydrogen or as moiety **A** is defined,

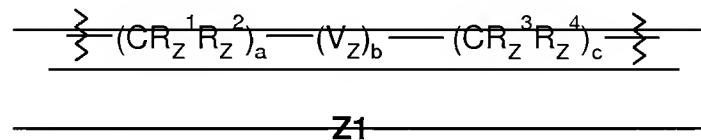
or each independently of one another, two of the moieties **A**, **B** or R_w¹ form, together with a 3 to 7-membered, optionally substituted, saturated or unsaturated carbocycle or an optionally substituted, saturated or unsaturated or aromatic heterocycle which can contain one, two or three further different or same heteroatoms from the group O, N, S; wherein optionally two of the moieties substituted on this carbo- or heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or same heteroatoms O, N, S, and wherein the cycle formed can optionall be substituted or a further, optionally substituted cycle can be condensed onto this cycle;

R_w¹:

hydrogen, OH, halogen, NO₂, NH₂, CN, CF₃, CHF₂, O-CF₃, O-CHF₂, or each optionally substituted C₁-C₆-alkyl, C₃-C₇-cycloalkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, C₁-C₆-thioalkyl, aryl, hetaryl, O-C₁-C₆-alkyl, O-aryl, O-benzyl, C₁-C₆-alkylamino, C₁-C₆-dialkylamino, pyrrolidinyl, piperidinyl, morpholinyl, CO-C₁-C₆-alkyl, SO₂-C₁-C₆-alkyl, CO-aryl, SO₂-aryl, CO-C₁-C₄-alkylene-aryl, SO₂-C₁-C₄-alkylene-aryl, SO-aryl, CONH₂, CONH-C₁-C₆-alkyl, SO₂NH-C₁-C₆-alkyl, CON-(C₁-C₆-alkyl)₂, SO₂N-(C₁-C₆-alkyl)₂, NH-SO₂-C₁-C₆-alkyl or NH-CO-C₁-C₆-alkyl;

D:as moiety **A** is defined;**Z:**

each optionally substituted C₁₋₄-alkylene or C₁₋₄-alkyleneoxy; a moiety of the general formula Z1



with the indices

a = 0 - 4b = 0, 1c = 0 - 4wherein the sum of a, b and c is at least 1 and no more than 5;R_z¹; R_z²; R_z³; R_z⁴ independently of one another;hydrogen, halogen, OH, oreach optionally substituted C₁₋₆-alkyl, C₂₋₆-alkenyl, C₂₋₆-alkynyl, C₄₋₆-alkylene-C₃₋₇-cycloalkyl, C₃₋₇-cycloalkyl, aryl, C₄₋₆-alkylene-aryl, het-aryl or C₄₋₆-alkylene-hetaryl, oreach independently of one another, two moieties R_z¹ and R_z² or R_z³ and R_z⁴ together form a 3 to 7 membered, optionally substituted, saturated or unsaturated carbo- or heterocycle, wherein the heterocycle can contain up to three heteroatoms from the group O, N or S;**V_z:**

~~—CO, CO NR_z⁵, NR_z⁵CO, O, S, SO, SO₂, SO₂NR_z⁵, NR_z⁵SO₂,~~
~~CS, CS NR_z⁵, NR_z⁵CS, CS O, O CS, CO O, O CO, O, ethynylene,~~
~~C(=CR_z⁶R_z⁷), CR_z⁶=CR_z⁷, NR_z⁵CO NR_z^{5*}, O CO NR_z⁵, NR_z⁵;~~

R_z⁵; R_z^{5*} independently of one another:

~~hydrogen or~~

~~each optionally substituted C₄-C₆-alkyl, C₄-C₆-alkylene-O-C₄-C₆-alkyl, C₂-C₆-alkenyl,
 C₃-C₄₂-alkynyl, CO-C₄-C₆-alkyl, CO-O-C₄-C₆-alkyl, SO₂-C₄-C₆-alkyl, C₃-C₇-cycloalkyl,
 aryl, C₄-C₄-alkylene aryl, CO-O-C₄-C₄-alkylene aryl, CO-C₄-C₄-alkylene aryl, CO-aryl,
 SO₂-aryl, hetaryl, CO-hetaryl or SO₂-C₄-C₄-alkylene aryl;~~

R_z⁶; R_z⁷ independently of one another:

~~hydrogen, OH or~~

~~each optionally substituted C₄-C₆-alkyl, C₄-C₄-alkoxy, C₂-C₆-alkenyl, C₂-C₆-alkynyl,
 C₄-C₆-alkylene-C₃-C₇-cycloalkyl, C₃-C₇-cycloalkyl, aryl, hetaryl, C₄-C₄-alkylene aryl, hetaryl or
 C₄-C₄-alkylene hetaryl;~~

R¹, R², R³ independently of one another:

hydrogen, OH, CN, or

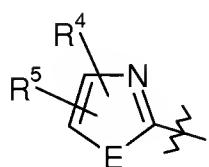
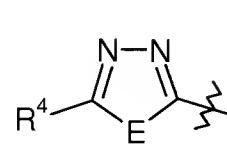
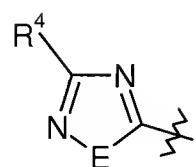
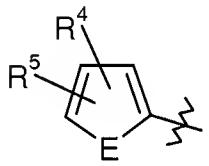
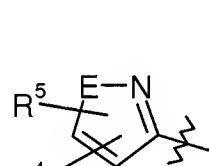
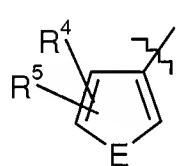
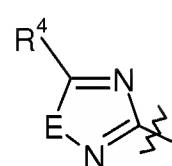
each optionally substituted C₁-C₆-alkyl, O-C₁-C₆-alkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl,
 C₃-C₇-cycloalkyl, O-C₃-C₇-cycloalkyl, aryl, hetaryl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-
 hetaryl, O-aryl, O-C₁-C₄-alkylene-aryl, O-hetaryl, O-C₁-C₄-alkylene-hetaryl, CO-C₁-
 C₆-alkyl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl,
 CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-aryl, SO₂-C₁-C₆-
 alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl, OCO-C₁-C₆-alkyl, OCO-aryl,
 OCO-hetaryl, OCO-C₁-C₄-alkylene-aryl, OCO-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-
 alkyl, SO₂-aryl, SO₂-hetaryl or SO₂-C₁-C₄-alkylene-aryl, or

each independent from the third moiety two moieties of **R¹, R² or R³** together form a
 5 to 7-membered, optionally substituted, saturated or unsaturated carbocycle or an
 optionally substituted, saturated or unsaturated heterocycle which can contain one,
 two or three further different or same heteroatoms from the group O, N, S, wherein

optionally two moieties substituted on this carbo- or heterocycle together can form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or same heteroatoms O, N, S, and wherein the cycle formed can be optionally substituted or a further, optionally substituted cycle can be condensed onto this cycle;

Q:

a doubly substituted 5-membered hetaryl moiety chosen from **Q1** to **Q7**

**Q1****Q2****Q3****Q4****Q5****Q6****Q7**

E: O, N-R_Q¹ or S;

R_Q¹:

hydrogen or

each optionally substituted C₁-C₄-alkyl, CO-C₁-C₄-alkyl, SO₂-C₁-C₄-alkyl, CO-O-C₁-C₄-alkyl, aryl, C₁-C₄-alkylene-aryl, CO-aryl, CO-hetaryl, SO₂-aryl, SO₂-hetaryl, CO-O-aryl, CO-C₁-C₄-alkylene-aryl, SO₂-C₁-C₄-alkylene-aryl or CO-O-C₁-C₄-alkylene-aryl;

R⁴, R⁵ each independently of one another a moiety chosen from the groups 1[[.]], 2[[.]], 3[[.]], 4[[.]], 5[[.]], 6[[.]] or 7[[.]]:

1[[.]]) hydrogen, halogen, CN, CF₃, CHF₂, or
 each optionally substituted C₁-C₁₀-alkyl, C₂-C₁₀-alkenyl, C₂-C₁₀-alkynyl, C₃-C₇-cycloalkyl, C₁-C₆-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-hetaryl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, C₁-C₆-alkylene-O-aryl, COO-C₁-C₄-alkyl or C₁-C₄-alkylene-COO-C₁-C₄-alkyl;

2[[.]]) Phenyl or naphthyl, which are each substituted with **R_Q**², **R_Q**³ and **R_Q**⁴, wherein

R_Q², **R_Q**³ and **R_Q**⁴ each independently of one another represent a substituent from the following group:

hydrogen, NO₂, NH₂, OH, CN, CF₃, CHF₂, OCF₃, OCHF₂, COOH, O-CH₂-COOH, SH, halogen, or

each optionally substituted aryl, hetaryl, heterocycloalkyl, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, C₁-C₄-alkylene-aryl or C₁-C₄-alkylene-hetaryl, or
 O-R_Q⁵, S-R_Q⁵, NR_Q⁷R_Q⁸, CO-OR_Q⁶, NR_Q⁸-CO-O-R_Q⁶, O-CH₂-COO-R_Q⁶, NR_Q⁸-CO-R_Q⁶, SO₂-R_Q⁶, NR_Q⁸-SO₂-R_Q⁶, SO₂NH₂, CONH₂, SO₂-NR_Q⁷R_Q⁸ or CO-NR_Q⁷R_Q⁸, or

two of the moieties **R_Q**², **R_Q**³ or **R_Q**⁴ together form a 3 to 7-membered, optionally substituted, saturated, unsaturated or aromatic carbocycle or a an optionally substituted, saturated, unsaturated aromatic heterocycle which can contain up to three further different or same heteroatoms O, N, S and optionally two of the moieties substituted on this heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or same heteroatoms O, N, S and the cycle formed can be optionally substituted or a further, optionally substituted cycle can be condensed onto this cycle;

R_Q⁵ each optionally substituted C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, heterocycloalkyl or hetaryl, or C₁-C₆-alkyl, which is optionally substituted with a substituent from the group consisting of halogen, NO₂, NH₂, OH, CN, CF₃, CHF₂, OCF₃, OCHF₂, NH-(C₁-C₆-alkyl) and N(C₁-C₆-alkyl)₂;

R_Q⁶ each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl or C₁-C₆-alkylene-O-C₁-C₆-alkyl;

R_Q⁷ hydrogen, OH, CN, or
each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, CO-C₁-C₆-alkyl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-hetaryl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl, CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-C₁-C₄-alkylene-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl or SO₂-C₁-C₄-alkylene-hetaryl;

R_Q⁸ hydrogen or
each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, CO-C₁-C₆-alkyl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl, CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-C₁-C₄-alkylene-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl or SO₂-C₁-C₄-alkylene-hetaryl;

or the moieties R_Q⁷ and R_Q⁸, together with the nitrogen, form a 3 to 7-membered, optionally substituted, saturated or aromatic heterocycle, which can contain one, two or three further different or same heteroatoms O, N, S;

and optionally two of the moieties substituted on this heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S, and the cycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;

3[[.]] a 5- or 6-membered hetaryl moiety optionally substituted with 1 or 2 substituents, the hetaryl moiety chosen from the group consisting of:

2-pyrrolyl, 3-pyrrolyl, 2-thiazolyl, 4-thiazolyl, 5-thiazolyl, 2-oxazolyl, 4-oxazolyl, 5-oxazolyl, 2-pyrimidyl, 4-pyrimidyl, 5-pyrimidyl, 6-pyrimidyl, 3-pyrazolyl, 4-pyrazolyl, 5-pyrazolyl, 3-isothiazolyl, 4-isothiazolyl, 5-isothiazolyl, 2-imidazolyl, 4-imidazolyl, 5-imidazolyl, 3-pyridazinyl, 4-pyridazinyl, 5-pyridazinyl, 6-pyridazinyl, 3-isoxazolyl, 4-isoxazolyl, 5-isoxazolyl, thiadiazolyl, oxadiazolyl or triazinyl or their anellated derivatives indazolyl, benzothiophenyl, benzofuranyl, indolinyl, benzimidazolyl, benzthiazolyl, benzoxazolyl, chinolinyl and isochinolinyl; or

2-thienyl or 3-thienyl optionally substituted with one or two substituents, wherein the substituents are chosen from the group consisting of halogen, NO₂, NH₂, OH, CN, CF₃, OCF₃, CHF₂, O-CHF₂, C₁-C₆-alkyl, O-C₁-C₆-alkyl, NH-(C₁-C₆-alkyl), N(C₁-C₆-alkyl)₂, NHCO-C₁-C₄-alkyl, NHSO₂-C₁-C₄-alkyl and SO₂-C₁-C₄-alkyl;

4[[.]] both moieties R⁴ and R⁵ together form a 4 to 7-membered, optionally substituted, saturated or unsaturated or aromatic carbocycle or a 5- or 6-membered optionally substituted, saturated or unsaturated or aromatic heterocycle, which can contain up to three further different or identical heteroatoms O, N, S; and can be substituted with up to two further moieties, wherein optionally two moieties substituted on this carbo or hetero cycle can together form an anellated, saturated, unsaturated or aromatic carbo cycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and wherein the cycle formed can be

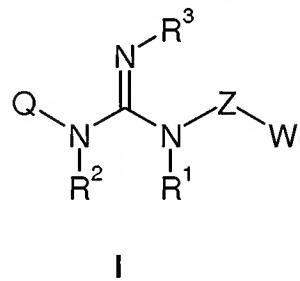
optionally substituted or a further, optionally substituted cycle can be condensed onto this cycle;

5[[.]]) a C₅-C₁₈- bi- or tricyclic, saturated hydrocarbon moiety;

6[[.]]) each optionally substituted C₁-C₈-Alkyl-NH₂, C₁-C₈-Alkyl-NR_Q⁷R_Q⁸, C₁-C₈-Alkyl-CO-NR_Q⁷R_Q⁸, C₁-C₈-Alkyl-SO₂NR_Q⁷R_Q⁸, C₁-C₈-Alkyl-CO-NH₂, C₁-C₈-Alkyl-SO₂NH₂, CO-NH₂, CO-NR_Q⁷R_Q⁸, SO₂NH₂, SO₂NR_Q⁷R_Q⁸, NR_Q⁷R_Q⁸;

7[[.]]) a 4-7-membered mono-monocyclic saturated heterocycle or bicyclic saturated or unsaturated heterocycle, which can contain up to two different or identical heteroatoms from the group O, N or S, wherein this cycle can also be multiply substituted. For the case that the heterocycle contains an N-atom, this can be substituted with a moiety R_Q⁷.

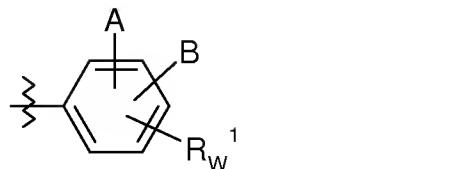
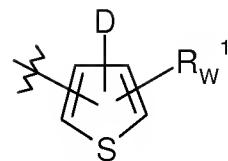
2. (Currently Amended) Guanidine-A guanidine compound of the ~~general~~ formula **I**



corresponding enantiomeric, diastereomeric and/or tautomeric forms thereof as well as pharmaceutically acceptable salts thereof, wherein the given moieties have the following definitions:

W:

a moiety of the ~~general~~ formula **W1** or **W2**

**W1****W2**

wherein

A:

NO_2 , NH_2 , OH, CN, CF_3 , OCF_3 , CHF_2 , OCHF_2 , COOH, O- CH_2 -COOH, halogen, SH, or

each optionally substituted $\text{C}_1\text{-}\text{C}_6$ -alkyl, $\text{C}_2\text{-}\text{C}_6$ -alkenyl, $\text{C}_2\text{-}\text{C}_6$ -alkynyl, $\text{C}_3\text{-}\text{C}_7$ -cycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene- $\text{C}_3\text{-}\text{C}_7$ -cycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene-heterocyclo-alkyl, aryl, hetaryl, heterocycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene-hetaryl or $\text{C}_1\text{-}\text{C}_4$ -alkylene-aryl, or
 O-R_A^1 , CO-R_A^1 , S-R_A^1 , SO-R_A^1 , CO-O-R_A^1 , $\text{NR}_A^4\text{-CO-O-R}_A^1$, $\text{O-CH}_2\text{-COO-R}_A^1$, $\text{NR}_A^2\text{R}_A^3$, CONH_2 , SO_2NH_2 , $\text{NR}_A^4\text{-CO-R}_A^1$, $\text{SO}_2\text{-R}_A^1$, $\text{NR}_A^4\text{-SO}_2\text{-R}_A^1$, $\text{SO}_2\text{-NR}_A^2\text{R}_A^3$ or $\text{CO-NR}_A^2\text{R}_A^3$;

R_A¹:

each optionally substituted $\text{C}_1\text{-}\text{C}_6$ -alkyl, $\text{C}_2\text{-}\text{C}_6$ -alkenyl, $\text{C}_2\text{-}\text{C}_6$ -alkynyl, $\text{C}_3\text{-}\text{C}_7$ -cycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene- $\text{C}_3\text{-}\text{C}_7$ -cycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene-heterocyclo-alkyl, aryl, hetaryl, heterocycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene-aryl, $\text{C}_2\text{-}\text{C}_6$ -alkenylene-aryl or $\text{C}_1\text{-}\text{C}_6$ -alkylene-hetaryl;

R_A²:

hydrogen, OH, CN, or

each optionally substituted $\text{C}_1\text{-}\text{C}_6$ -alkyl, $\text{C}_2\text{-}\text{C}_6$ -alkenyl, $\text{C}_2\text{-}\text{C}_6$ -alkynyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene- $\text{C}_3\text{-}\text{C}_7$ -cycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, $\text{C}_1\text{-}\text{C}_4$ -alkylene-aryl, $\text{C}_1\text{-}\text{C}_4$ -alkylene-hetaryl, $\text{C}_1\text{-}\text{C}_6$ -alkylene-O-C₁-C₆-alkyl, CO-C₁-C₆-alkyl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl, CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-C₁-C₄-alkylene-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl or SO₂-C₁-C₄-alkylene-hetaryl;

R_A³:

each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-hetaryl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, CO-C₁-C₆-alkyl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl, CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-C₁-C₄-alkylene-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl or SO₂-C₁-C₄-alkylene-hetaryl;

or the moieties R_A² and R_A³ form, together with the nitrogen, a 3 to 7-membered, optionally substituted, saturated or aromatic heterocycle, which can contain one, two or three further different or identical heteroatoms from the group O, N, S; wherein optionally two of the moieties substituted on this heterocycle can together form an annellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and wherein the so-formed cycle can be optionally substituted or a further, optionally substituted cycle can be condensed onto this cycle;

R_A⁴:

hydrogen, or

each optionally substituted C₁-C₆-alkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, C₂-C₆-alkenyl, C₃-C₁₂-alkynyl, CO-C₁-C₆-alkyl, CO-O-C₁-C₆-alkyl, SO₂-C₁-C₆-alkyl, C₃-C₇-cycloalkyl, aryl, C₁-C₄-alkylene-aryl, CO-O-arylalkyl, CO-C₁-C₄-alkylene-aryl, CO-aryl, SO₂-aryl, hetaryl, CO-hetaryl or SO₂-C₁-C₄-alkylene-aryl;

B:

hydrogen or as moiety A is defined,

or each independently of one another, two of the moieties A, B or R_w¹ together form a 3 to 7-membered, optionally substituted, saturated or unsaturated carbocycle or an optionally substituted, saturated or unsaturated or aromatic heterocycle which can contain one, two or three further different or identical heteroatoms from the group

O, N, S; wherein optionally two moieties substituted on this carbo- or heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and wherein the cycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;

R_w¹:

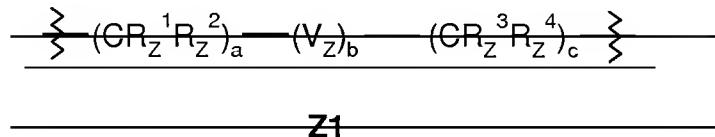
hydrogen, OH, halogen, NO₂, NH₂, CN, CF₃, CHF₂, O-CF₃, O-CHF₂, or each optionally substituted C₁-C₆-alkyl, C₃-C₇-cycloalkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, C₁-C₆-thioalkyl, aryl, hetaryl, O-C₁-C₆-alkyl, O-aryl, O-benzyl, C₁-C₆-alkylamino, C₁-C₆-dialkylamino, pyrrolidinyl, piperidinyl, morpholinyl, CO-C₁-C₆-alkyl, SO₂-C₁-C₆-alkyl, CO-aryl, SO₂-aryl, CO-C₁-C₄-alkylene-aryl, SO₂-C₁-C₄-alkylene-aryl, SO-aryl, CONH₂, CONH-C₁-C₆-alkyl, SO₂NH-C₁-C₆-alkyl, CON-(C₁-C₆-alkyl)₂, SO₂N-(C₁-C₆-alkyl)₂, NH-SO₂-C₁-C₆-alkyl or NH-CO-C₁-C₆-alkyl;

D:

as moiety **A** is defined;

Z:

each optionally substituted C₁₋₄-alkylene or C₁₋₄-alkyleneoxy; a moiety of the general formula Z1



— with the indices

— a = 0-4

— b = 0,1

~~c = 0 - 4~~

~~wherein the sum of a, b and c is at least 1 and no more than 5;~~

~~\mathbf{R}_z^1 ; \mathbf{R}_z^2 ; \mathbf{R}_z^3 ; \mathbf{R}_z^4 independently of one another:~~

~~hydrogen, halogen, OH, or~~

~~each optionally substituted C_1-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_4-C_6 -alkylene- C_3-C_7 -cycloalkyl, C_3-C_7 -cycloalkyl, aryl, C_4-C_4 -alkylene aryl, hetaryl or C_4-C_4 -alkylene hetaryl, or~~

~~each independently of one another two moieties are \mathbf{R}_z^1 and \mathbf{R}_z^2 or \mathbf{R}_z^3 and \mathbf{R}_z^4 together form a 3 to 7 membered, optionally substituted, saturated or unsaturated carbocyclic or heterocycle, wherein the heterocycle can contain up to three heteroatoms from the group O, N, or S;~~

~~\mathbf{V}_z :~~

~~-CO-, CO NR_z⁵, NR_z⁵-CO-, O-, S-, SO-, SO₂, SO₂-NR_z⁵, NR_z⁵-SO₂,~~
~~CS-, CS-NR_z⁵, NR_z⁵-CS, CS-O-, O-CS-, CO-O-, O-CO-, O-, ethynylene,~~
~~C(=CR_z⁶R_z⁷), CR_z⁶=CR_z⁷, NR_z⁵-CO-NR_z^{5*}, O-CO-NR_z⁵, NR_z⁵;~~

~~\mathbf{R}_z^5 ; \mathbf{R}_z^5* independently of one another:~~

~~hydrogen or~~

~~each optionally substituted C_4-C_6 -alkyl, C_4-C_6 -alkylene-O- C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_3-C_4 -alkynyl, CO- C_4-C_6 -alkyl, CO-O- C_4-C_6 -alkyl, SO₂- C_4-C_6 -alkyl, C_3-C_7 -cycloalkyl, aryl, C_4-C_4 -alkylene aryl, CO-O- C_4-C_4 -alkylene aryl, CO- C_4-C_4 -alkylene aryl, CO- aryl, SO₂- aryl, hetaryl, CO-hetaryl or SO₂- C_4-C_4 -alkylene aryl;~~

~~\mathbf{R}_z^6 ; \mathbf{R}_z^7 independently of one another:~~

~~hydrogen, OH or~~

~~each optionally substituted C_4-C_6 -alkyl, C_4-C_4 -alkoxy, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_4-C_6 -alkylene- C_3-C_7 -cycloalkyl, C_3-C_7 -cycloalkyl, aryl, C_4-C_4 -alkylene aryl, hetaryl or C_4-C_4 -alkylene hetaryl;~~

R¹, R², R³ independently of one another:

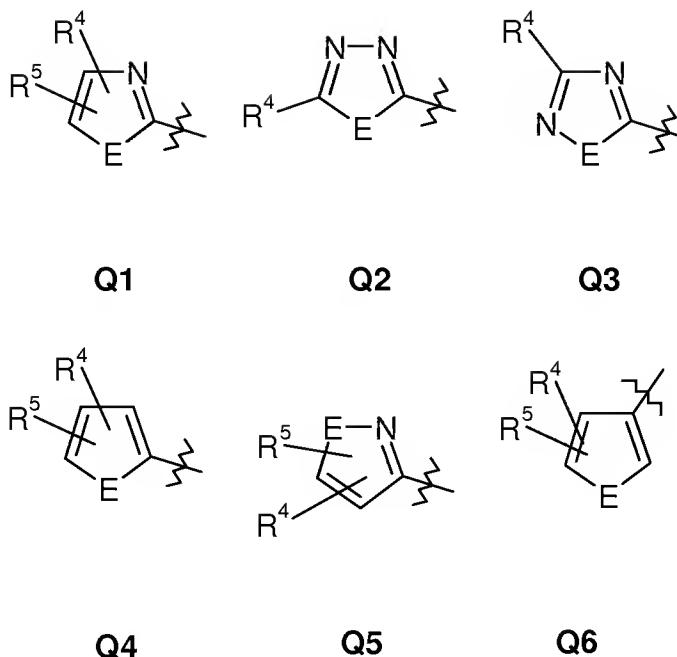
hydrogen, OH, CN, or

each optionally substituted C₁-C₆-alkyl, O-C₁-C₆-alkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, C₃-C₇-cycloalkyl, O-C₃-C₇-cycloalkyl, aryl, hetaryl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-hetaryl, O-aryl, O-C₁-C₄-alkylene-aryl, O-hetaryl, O-C₁-C₄-alkylene-hetaryl, CO-C₁-C₆-alkyl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl, CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-aryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl, OCO-C₁-C₆-alkyl, OCO-aryl, OCO-hetaryl, OCO-C₁-C₄-alkylene-aryl, OCO-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl or SO₂-C₁-C₄-alkylene-aryl, or

each independently of the third moiety, two moieties of **R¹, R² or R³** together form a 5 to 7-membered, optionally substituted, saturated or unsaturated carbocycle or an optionally substituted, saturated or unsaturated heterocycle which can contain one, two or three further different or identical heteroatoms from the group O, N, S, wherein optionally two of the moieties substituted on this carbo- or heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and wherein the cycle formed is optionally substituted or a further, optionally substituted cycle is condensed onto this cycle;

Q:

a doubly substituted 5-membered hetaryl moiety chosen from **Q1** to **Q6**



E: O, N-R_Q¹ or S;

R_Q¹:

hydrogen, or

each optionally substituted C₁-C₄-alkyl, CO-C₁-C₄-alkyl, SO₂-C₁-C₄-alkyl, CO-O-C₁-C₄-alkyl, aryl, C₁-C₄-alkylene-aryl, CO-aryl, CO-hetaryl, SO₂-aryl, SO₂-hetaryl, CO-O-aryl, CO-C₁-C₄-alkylene-aryl, SO₂-C₁-C₄-alkylene-aryl or CO-O-C₁-C₄-alkylene-aryl;

R⁴, R⁵ each independently of one another a moiety chosen from the groups 1[[.]], 2[[.]], 3[[.]], 4[[.]] or 5[[.]]:

1[[.]]) hydrogen, halogen, CN, CF₃, CHF₂, or

each optionally substituted C₁-C₁₀-alkyl, C₂-C₁₀-alkenyl, C₂-C₁₀-alkynyl, C₃-C₇-cycloalkyl, C₁-C₆-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-hetaryl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, C₁-C₆-alkylene-O-aryl, COO-C₁-C₄-alkyl or C₁-C₄-alkylene-COO-C₁-C₄-alkyl;

2[[.]]) Phenyl or naphthyl, which are each substituted with \mathbf{R}_Q^2 , \mathbf{R}_Q^3 and \mathbf{R}_Q^4 ,
wherein

\mathbf{R}_Q^2 , \mathbf{R}_Q^3 and \mathbf{R}_Q^4 each independently of one another represent a substituent
from the following group:

hydrogen, NO_2 , NH_2 , OH, CN, CF_3 , CHF_2 , OCF_3 , OCHF_2 , COOH, $\text{O}-\text{CH}_2-$
COOH, SH, halogen, or

each optionally substituted aryl, hetaryl, heterocycloalkyl, $\text{C}_1\text{-C}_6$ -alkyl, $\text{C}_2\text{-C}_6$ -
alkenyl, $\text{C}_2\text{-C}_6$ -alkynyl, $\text{C}_3\text{-C}_7$ -cycloalkyl, $\text{C}_1\text{-C}_4$ -alkylene- $\text{C}_3\text{-C}_7$ -cycloalkyl, $\text{C}_1\text{-}$
 C_4 -alkylene-heterocycloalkyl, $\text{C}_1\text{-C}_4$ -alkylene-aryl or $\text{C}_1\text{-C}_4$ -alkylene-hetaryl, or
 $\text{O}-\mathbf{R}_Q^5$, $\text{S}-\mathbf{R}_Q^5$, $\text{NR}_Q^7\mathbf{R}_Q^8$, $\text{CO}-\text{OR}_Q^6$, $\text{NR}_Q^8-\text{CO}-\text{O}-\mathbf{R}_Q^6$, $\text{O}-\text{CH}_2-\text{COO}-\mathbf{R}_Q^6$,
 $\text{NR}_Q^8-\text{CO}-\mathbf{R}_Q^6$, $\text{SO}_2-\mathbf{R}_Q^6$, $\text{NR}_Q^8-\text{SO}_2-\mathbf{R}_Q^6$, SO_2NH_2 , CONH_2 , $\text{SO}_2-\text{NR}_Q^7\mathbf{R}_Q^8$ or
 $\text{CO}-\text{NR}_Q^7\mathbf{R}_Q^8$, or

two of the moieties \mathbf{R}_Q^2 , \mathbf{R}_Q^3 or \mathbf{R}_Q^4 together form a 3 to 7-membered,
optionally substituted, saturated, unsaturated or aromatic carbocycle or an
optionally substituted, saturated or unsaturated aromatic heterocycle, which
can contain up to three further different or identical heteroatoms O, N, S
and optionally two moieties substituted on this heterocycle can together form
an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle,
wherein the heterocycle can contain up to three different or identical
heteroatoms O, N, S and the cycle formed can optionally be substituted or a
further, optionally substituted cycle can be condensed onto this cycle;

\mathbf{R}_Q^5 each optionally substituted $\text{C}_2\text{-C}_6$ -alkenyl, $\text{C}_2\text{-C}_6$ -alkynyl, $\text{C}_1\text{-C}_4$ -alkylene- $\text{C}_3\text{-}$
 C_7 -cycloalkyl, $\text{C}_1\text{-C}_4$ -alkylene-heterocycloalkyl, heterocycloalkyl or hetaryl, or
 $\text{C}_1\text{-C}_6$ -alkyl, which is optionally substituted with a substituent from the group
consisting of halogen, NO_2 , NH_2 , OH, CN, CF_3 , CHF_2 , OCF_3 , OCHF_2 , $\text{NH}-$
($\text{C}_1\text{-C}_6$ -alkyl) and $\text{N}(\text{C}_1\text{-C}_6\text{-alkyl})_2$;

R_Q⁶ each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl or C₁-C₆-alkylene-O-C₁-C₆-alkyl;

R_Q⁷ hydrogen, OH, CN, or
each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, CO-C₁-C₆-alkyl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-hetaryl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl, CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-C₁-C₄-alkylene-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl or SO₂-C₁-C₄-alkylene-hetaryl;

R_Q⁸ each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₇-cycloalkyl, C₁-C₄-alkylene-C₃-C₇-cycloalkyl, C₁-C₄-alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, CO-C₁-C₆-alkyl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl, CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-C₁-C₄-alkylene-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-aryl or SO₂-C₁-C₄-alkylene-hetaryl;

or the moieties R_Q⁷ and R_Q⁸ form, together with the nitrogen, a 3 to 7-membered, optionally substituted, saturated or aromatic heterocycle which can contain one, two or three further or different identical heteroatoms O, N, S; and optionally two moieties substituted on this heterocycle can form an annellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and the cycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;

3[.]]) a 5- or 6-membered hetaryl moiety optionally substituted with one or two substituents from the group consisting of:

2-pyrrolyl, 3-pyrrolyl, 2-thiazolyl, 4-thiazolyl, 5-thiazolyl, 2-oxazolyl, 4-oxazolyl, 5-oxazolyl, 2-pyrimidyl, 4-pyrimidyl, 5-pyrimidyl, 6-pyrimidyl, 3-pyrazolyl, 4-pyrazolyl, 5-pyrazolyl, 3-isothiazolyl, 4-isothiazolyl, 5-isothiazolyl, 2-imidazolyl, 4-imidazolyl, 5-imidazolyl, 3-pyridazinyl, 4-pyridazinyl, 5-pyridazinyl, 6-pyridazinyl, 3-isoxazolyl, 4-isoxazolyl, 5-isoxazolyl, thiadiazolyl, oxadiazolyl or triazinyl or their anellated derivatives indazolyl, benzothiophenyl, benzofuranyl, indolinyl, benzimidazolyl, benzthiazolyl, benzoaxazolyl, chinolinyl and isochinolinyl; or

2-thienyl or 3-thienyl optionally substituted with one or two substituents, wherein the substituents are chosen from the group consisting of halogen, NO₂, NH₂, OH, CN, CF₃, OCF₃, CHF₂, O-CHF₂, C₁-C₆-alkyl, O-C₁-C₆-alkyl, NH-(C₁-C₆-alkyl), N(C₁-C₆-alkyl)₂, NHCO-C₁-C₄-alkyl, NHSO₂-C₁-C₄-alkyl and SO₂-C₁-C₄-alkyl;

4[.]]) both moieties R⁴ and R⁵ together form a 4 to 7-membered, optionally substituted, saturated or unsaturated or aromatic carbocycle or a 5- or 6-membered optionally substituted, saturated or unsaturated or aromatic heterocycle, which can contain up to three further different or identical heteroatoms O, N, S and can be substituted with up to two further moieties, wherein optionally two moieties substituted on this carbo- or heterocycle can form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and wherein the cycle formed can be optionally substituted or a further, optionally substituted cycle can be condensed onto this cycle;

5[.]]) a C₅-C₁₈- bi- or tricyclic, saturated hydrocarbon moiety.

3. (Currently Amended) ~~Guanadine~~ The compound according to claim 1, wherein the given moieties have the following definition:

W: W1;

A: halogen, OH, CN, CF₃, CHF₂, OCF₃, OCHF₂, or each optionally substituted C₁-C₆-alkyl or C₂-C₆-alkenyl, O-CH₂-COO-R_A¹, O-R_A¹, S-R_A¹, NR_A²R_A³, NR_A⁴-CO-R_A¹ or CO-NR_A⁴R_A¹;

R_A¹: each optionally substituted C₁-C₄-alkyl, C₃-C₇-cycloalkyl, phenyl or benzyl;

R_A²: hydrogen, or each optionally substituted C₁-C₄-alkyl, phenyl, benzyl, phenethyl, CO-C₁-C₄-alkyl, CO-aryl, CO-O-C₁-C₄-alkyl, SO₂-C₁-C₄-alkyl, SO₂-aryl, SO₂-hetaryl or SO₂-C₁-C₄-alkylene-aryl;

R_A³: each optionally substituted C₁-C₄-alkyl, phenyl, benzyl, phenethyl, CO-C₁-C₄-alkyl, CO-aryl, CO-O-C₁-C₄-alkyl, SO₂-C₁-C₄-alkyl, SO₂-aryl, SO₂-hetaryl, or SO₂-C₁-C₄-alkylene-aryl; or the moieties R_A² and R_A³ together form an optionally substituted 5- or 6-membered saturated or unsaturated ring, which can contain up to two identical or different heteroatoms from the group O and N;

R_A⁴: hydrogen or an optionally substituted C₁-C₄-alkyl moiety;

B: hydrogen or as moiety A is defined;

R_w¹: hydrogen, F, Cl, CN, CF₃, O-CF₃, or each optionally substituted C₁-C₄-alkyl, aryl, C₁-C₆-alkylamino or C₁-C₆-dialkylamino;

~~in the formula Z1 the sum of a, b and c is 1, 2 or 3;~~

R_z⁴, R_z², R_z³, R_z⁴ independently of one another;

hydrogen, halogen, OH, optionally substituted C₁-C₆-alkyl;

V_z: — CO, CO NR_z⁵, NR_z⁵CO, O, S;

R_z⁵: hydrogen, CH₃;

R¹, R², R³ independently of one another:

hydrogen, OH, CN, C₁-C₄-alkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl, substituted aryl, benzyl, CO-C₁-C₆-alkyl, CO-aryl, CO-C₁-C₄-alkylene-aryl, OCO-C₁-C₆-alkyl, OCO-aryl or OCO-C₁-C₄-alkylene-hetaryl;

Q is chosen from the group consisting of **Q1**, **Q2** and **Q3**;

R_Q¹: hydrogen, optionally substituted C₁-C₄-alkyl, in the aryl moiety optionally substituted benzyl, CO-C₁-C₄-alkyl, optionally substituted benzoyl, SO₂-C₁-C₄-alkyl or in the aryl moiety optionally substituted SO₂-aryl.

4. (Currently Amended) Guanidine-The compound according to claim 1, wherein the given moieties have the following definitions:

A: OH, F, Cl, OCF₃, OCHF₂, optionally substituted C₁-C₄-alkyl, O-C₁-C₄-alkyl or S-C₁-C₄-alkyl;

B: hydrogen, OH, F, Cl, CF₃, OCF₃, OCHF₂, optionally substituted C₁-C₄-alkyl, O-C₁-C₄-alkyl or S-C₁-C₄-alkyl;

R_w¹: hydrogen, F, Cl, CN, CF₃ or O-CF₃;

Z: each optionally substituted C₁-C₄-alkyl or C₁-C₄-alkylene-O-C₁-C₄-alkyl;

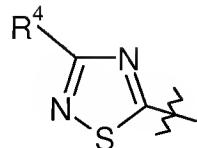
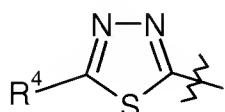
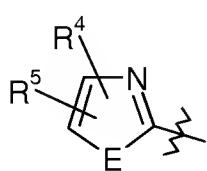
R_z⁴, R_z², R_z³, R_z⁴ each independently of one another;

— hydrogen, F, CH₃:

R¹, R², R³ independently of one another:

hydrogen, OH, CN, O-methyl, O-phenyl, acetyl, benzoyl, O-acetyl, O-benzoyl;

Q is chosen from the group consisting of



R_Q¹: hydrogen, CH₃, methanesulfonyl, phenylsulfonyl or tosyl.

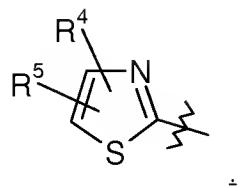
5. (Currently Amended) ~~Guandine~~-The compound according to claim 1, wherein the given moieties have the following definitions:

A: OH, OCF₃, OCH₃, O-ethyl, O-propyl or O-i-propyl;

Z: -CH₂- , -CH₂-O-, -CH₂-CH₂- or -CH₂-CH₂-O-;

two of the moieties **R¹, R², or R³**, are hydrogen, and the third moiety is hydrogen, OH, acetyl or benzoyl;

Q:



6. (Currently Amended) ~~Guaniidine~~ The compound according to claim 1, wherein \mathbf{R}^4 and/or \mathbf{R}^5 each independently of one another represents a moiety chosen from the groups 1[[.]], 2[[.]], 3[[.]], 4[[.]] or 5[[.]]:

1[[.]] hydrogen, F, Cl, CN, CF₃, or

each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl or C₃-C₇-cycloalkyl;

2[[.]] \mathbf{R}_Q^1 , \mathbf{R}_Q^2 and \mathbf{R}_Q^3 independently of one another

hydrogen, CN, CF₃, CHF₂, OCF₃, OCHF₂, F, Cl, OH or

each optionally substituted phenyl or hetaryl, C₁-C₄-alkyl, C₅-C₇-cycloalkyl, O-R_Q⁵, NR_Q⁷R_Q⁸, CO-OR_Q⁶, NR_Q⁸-CO-O-R_Q⁶, O-CH₂-COO-R_Q⁶, NR_Q⁸-CO-R_Q⁶, SO₂-R_Q⁶, NR_Q⁸-SO₂-R_Q⁶, NR_Q⁸-CO-O-R_Q⁶, SO₂NH₂, CONH₂, SO₂-NR_Q⁷R_Q⁸ or CO-NR_Q⁷R_Q⁸;

\mathbf{R}_Q^5 : C₁-C₄-Alkyl, which is optionally substituted with a substituent from the group consisting of F, Cl, OH, CN, CF₃, OCF₃, NH-(C₁-C₄-alkyl) and N(C₁-C₄-alkyl)₂;

\mathbf{R}_Q^6 : each optionally substituted C₁-C₆-alkyl, aryl, hetaryl or phenyl;

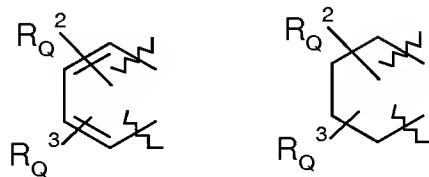
\mathbf{R}_Q^7 : hydrogen, each optionally substituted C₁-C₄-alkyl, allyl, aryl, hetaryl, benzyl, phenethyl or CH₂-hetaryl;

\mathbf{R}_Q^8 : each optionally substituted C₁-C₄-alkyl, allyl, aryl, hetaryl, benzyl, phenethyl or CH₂-hetaryl;

or R_Q⁷ und R_Q⁸ form an optionally substituted 3- or 7-membered saturated or unsaturated ring which can contain up to two identical or different hetero atoms from the group O and N;

3[[.]] benzothiophenyl, benzofuranyl, chinolinyl or isochinolinyl;

4[[.]]) both moieties **R⁴** and **R⁵** together form one of the following rings:



wherein R_Q^2 and R_Q^3 are as defined under **2[[.]]**);

5[[.]]) Adamantyl.

7. (Currently Amended) ~~Guandine-The~~ compound according to claim 1, wherein the given moieties have the following definitions:

W: **W1;**

A: halogen, OH, CN, CF₃, CHF₂, OCF₃, OCHF₂, or each optionally substituted C₁-C₆-alkyl or C₂-C₆-alkenyl, O-CH₂-COO-R_A¹, O-R_A¹, S-R_A¹, NR_A²R_A³, NR_A⁴-CO-R_A¹, SO₂NH₂, NR_A⁴-SO₂-R_A¹, SO₂-NR_A²R_A³ or CO-NR_A⁴R_A¹;

R_A¹: each optionally substituted C₁-C₄-alkyl, C₃-C₇-cycloalkyl, phenyl or benzyl;

R_A²: hydrogen, or each optionally substituted C₁-C₄-alkyl, phenyl, benzyl, phenethyl, CO-C₁-C₄-alkyl, CO-aryl, CO-O-C₁-C₄-alkyl, SO₂-C₁-C₄-alkyl, SO₂-aryl, SO₂-hetaryl or SO₂-C₁-C₄-alkylene-aryl;

R_A³: each optionally substituted C₁-C₄-alkyl, phenyl, benzyl, phenethyl, CO-C₁-C₄-alkyl, CO-aryl, CO-O-C₁-C₄-alkyl, SO₂-C₁-C₄-alkyl, SO₂-aryl, SO₂-hetaryl, or SO₂-C₁-C₄-alkylene-aryl;

or the moieties \mathbf{R}_A^2 and \mathbf{R}_A^3 together form an optionally substituted 5- or 6-membered saturated or unsaturated ring, which can contain up to two identical or different heteroatoms from the group O and N;

\mathbf{R}_A^4 : hydrogen or an optionally substituted C_1 - C_4 -alkyl moiety;

\mathbf{B} : hydrogen or as moiety \mathbf{A} is defined;

\mathbf{R}_w^1 : hydrogen, F, Cl, CN, CF_3 , $O-CF_3$, or each optionally substituted C_1 - C_4 -alkyl, aryl, C_1 - C_6 -alkylamino or C_1 - C_6 -dialkylamino;

~~in the formula Z1 the sum of a, b and c is 1, 2 or 3;~~

$\mathbf{R}_z^1, \mathbf{R}_z^2, \mathbf{R}_z^3, \mathbf{R}_z^4$ independently of one another:

hydrogen, halogen, OH, optionally substituted C_1 - C_6 -alkyl,

\mathbf{V}_z —CO, CO NR_z⁵, NR_z⁵CO, O, S;

\mathbf{R}_z^5 : hydrogen, CH_3 ;

$\mathbf{R}^1, \mathbf{R}^2, \mathbf{R}^3$ independently of one another:

hydrogen, OH, CN, C_1 - C_4 -alkyl, C_1 - C_6 -alkylene-O- C_1 - C_6 -alkyl, substituted aryl, benzyl, CO- C_1 - C_6 -alkyl, CO-aryl, CO- C_1 - C_4 -alkylene-aryl, $OCO-C_1-C_6$ -alkyl, OCO -aryl or $OCO-C_1-C_4$ -alkylene-hetaryl;

\mathbf{Q} is chosen from the group consisting of **Q1**, **Q2**, **Q3** and **Q5**;

\mathbf{R}_Q^1 : hydrogen, optionally substituted C_1 - C_4 -alkyl, in the aryl moiety optionally substituted benzyl, CO- C_1 - C_4 -alkyl, optionally substituted benzoyl, $SO_2-C_1-C_4$ -alkyl or in the aryl moiety optionally substituted SO_2 -aryl.

8. (Currently Amended) Guanidine The compound according to claim 1, wherein the given moieties have the following definitions:

A: OH, F, Cl, OCF₃, OCHF₂, optionally substituted C₁-C₄-alkyl, O-C₁-C₄-alkyl or S-C₁-C₄-alkyl;

B: hydrogen, OH, F, Cl, CF₃, OCF₃, OCHF₂, optionally substituted C₁-C₄-alkyl, O-C₁-C₄-alkyl or S-C₁-C₄-alkyl;

R_w¹: hydrogen, F, Cl, CN, CF₃ or O-CF₃;

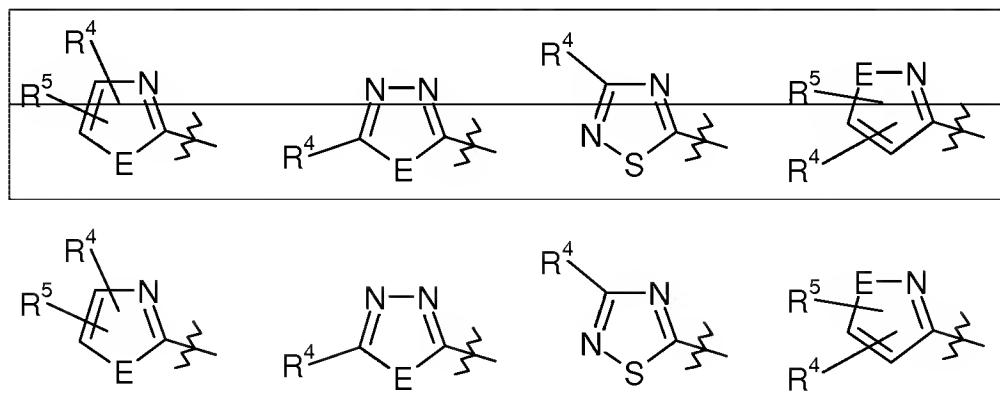
Z: ~~each optionally substituted C₁-C₄-alkyl or C₁-C₄-alkylene-O-C₁-C₄-alkyl;~~

R_z¹, R_z², R_z³, R_z⁴ ~~each independently of one another:~~
~~hydrogen, F, CH₃;~~

R¹, R², R³ independently of one another:

hydrogen, OH, CN, O-methyl, O-phenyl, acetyl, benzoyl, O-acetyl, O-benzoyl;

Q is chosen from the group consisting of



R_Q¹: hydrogen, CH₃, phenyl, benzyl, methanesulfonyl, phenylsulfonyl or tosyl.

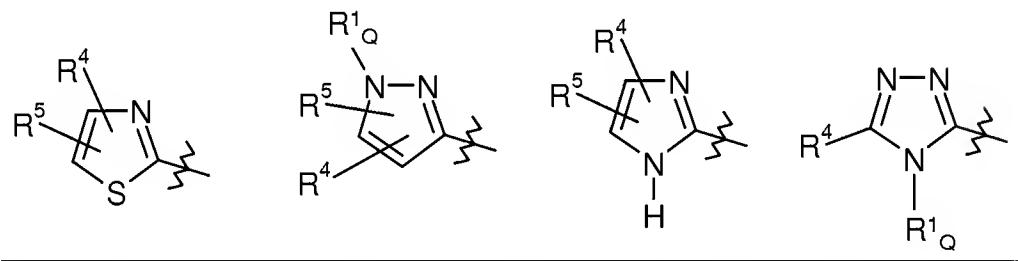
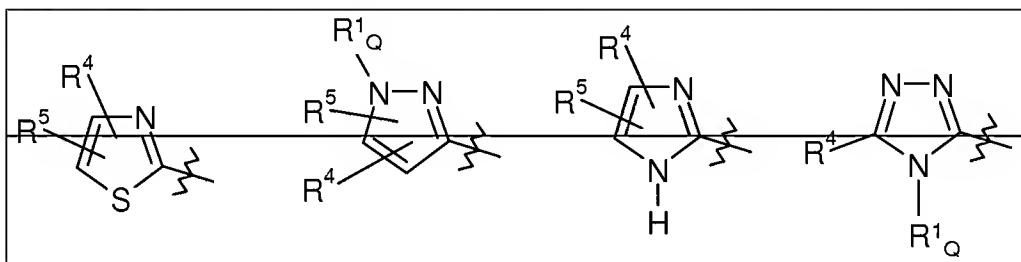
9. (Currently Amended) Guanidine The compound according to claim 1, wherein the given moieties have the following definitions:

A: OH, OCF₃, OCH₃, O-ethyl, O-propyl or O-i-propyl;

Z: -CH₂- , -CH₂-O-, -CH₂-CH₂- or -CH₂-CH₂-O-;

two of the moieties **R¹**, **R²**, or **R³** are hydrogen, and the third moiety is hydroxyl, OH, acetyl or benzoyl;

Q:



R_Q¹: hydrogen, CH₃, phenyl, benzyl, methanesulfonyl, phenylsulfonyl or tosyl.

10. (Currently Amended) Guanidine compound according to claim 1, wherein **R⁴** and/or **R⁵** each independently from one another represent a moiety chosen from the groups 1[[.]], 2[[.]], 3[[.]], 4[[.]], 5[[.]] or [[7.]]**6**:

1[[.]] hydrogen, F, Cl, CN, CF₃, or

each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl or C₃-C₇-cycloalkyl;

2[[.]] **R_Q¹**, **R_Q²** and **R_Q³** independently of one another

hydrogen, CN, CF₃, CHF₂, OCF₃, OCHF₂, F, Cl, OH or each optionally substituted phenyl or hetaryl, C₁-C₄-alkyl, C₅-C₇-cycloalkyl, O-R_Q⁵, NR_Q⁷R_Q⁸, CO-OR_Q⁶, NR_Q⁸-CO-O-R_Q⁶, O-CH₂-COO-R_Q⁶, NR_Q⁸-CO-R_Q⁶, SO₂-R_Q⁶, NR_Q⁸-SO₂-R_Q⁶, NR_Q⁸-CO-O-R_Q⁶, SO₂NH₂, CONH₂, SO₂⁻NR_Q⁷R_Q⁸ or CO-NR_Q⁷R_Q⁸;

R_Q⁵: C₁-C₄-alkyl, which is optionally substituted with a substituent from the group consisting of F, Cl, OH, CN, CF₃, OCF₃, NH-(C₁-C₄-alkyl) and N(C₁-C₄-alkyl)₂;

R_Q⁶: each optionally substituted C₁-C₆-alkyl, aryl, hetaryl or phenyl;

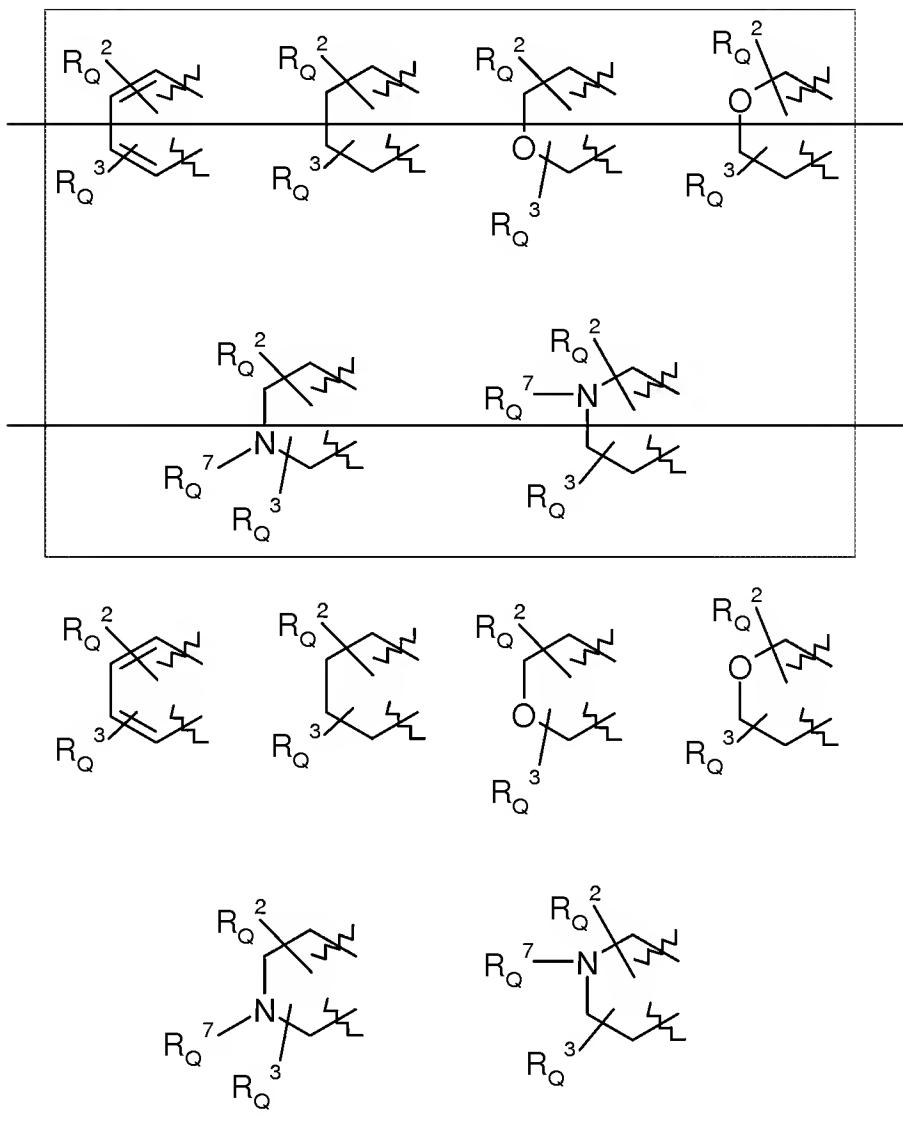
R_Q⁷: hydrogen, each optionally substituted C₁-C₄-alkyl, allyl, aryl, hetaryl, benzyl, phenethyl or CH₂-hetaryl;

R_Q⁸: hydrogen, each optionally substituted C₁-C₄-alkyl, allyl, aryl, hetaryl, benzyl, phenethyl or CH₂-hetaryl;

or R_Q⁷ and R_Q⁸ form an optionally substituted 3- or 7-membered saturated or unsaturated ring, which can contain up to two identical or different heteroatoms from the group O and N;

3[[.]] benzothiophenyl, benzofuranyl, chinolinyl or isochinolinyl;

4[[.]] both moieties **R⁴** and **R⁵** together form one of the following rings:



wherein R_Q^2 and R_Q^3 are defined as under 5[[.]]); or together can form an annellated 5- or 6-membered ring;

5[[.]]) adamantly;

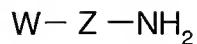
6[[.]]) each optionally substituted azetidine-3-yl, pyrrolidine-2-yl, pyrrolidine-3-yl, piperidine-2-yl, piperidine-3-yl, piperidine-4-yl, tetrahydro-2H-pyran-4-yl, tetrahydrofuran-3-yl, azepan-4-yl, azepan-3-yl, azepan-2-yl, 1,4-diazepane-5-yl, 1,2,3,6-tetrahydropyridine-4-yl, 2,5-dihydro-1H-pyrrol-3-yl.

11. (Currently Amended) ~~Guanidine~~ The compound according to claim 1, wherein one moiety from **R**⁴ and **R**⁵ is chosen from group 1[[.]], and the other moiety from **R**⁴ and **R**⁵ is chosen from the group 1[[.]], 2[[.]] or 3[[.]].

12. (Canceled)

13. (Currently Amended) ~~Pharmaceutical~~ A pharmaceutical composition, comprising at least one guanidine compound according to claim 1, as well as a pharmaceutically acceptable carrier or dilution agent.

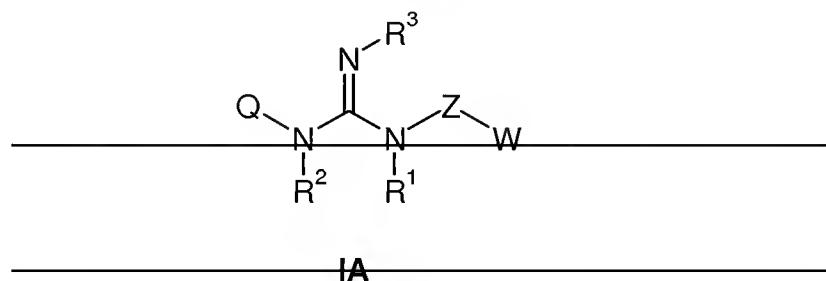
14. (Withdrawn, Currently Amended) A method for the preparation of 5HT5A receptor ligands comprising using a compound of the ~~general~~ formula IVA:



IVA

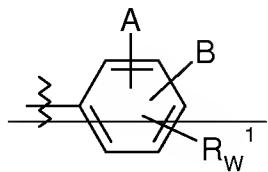
15. (Currently Amended) ~~A~~ The method according to claim 14 wherein the 5HT5A receptor ligand is ~~a~~ the compound according to claim 1.

16. (Withdrawn, Currently Amended) A method of treating a patient having a disease modulated by 5-HT5 receptor activity comprising administering to said patient an effective amount of ~~the compound of claim 1. a guanidine compound of the general formula IA~~

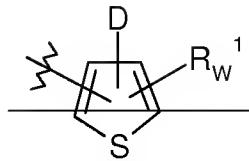


~~of the corresponding enantiomeric, diastereomeric and/or tautomeric forms thereof as well as pharmaceutically acceptable salts thereof~~

~~wherein the given moieties have the following definitions:~~

W:a moiety of the general formula W1 or W2

or

**W1****W2**A:

NO_2 , NH_2 , OH , CN , CF_3 , OCF_3 , CHF_2 , OCHF_2 , COOH , $\text{O}-\text{CH}_2-\text{COOH}$, halogen, SH , or

each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene- C_3-C_7 -cycloalkyl or C_4-C_4 -alkylene-hetero-cycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_4 -alkylene-hetaryl or C_4-C_4 -alkylene-aryl, or
 $\text{O}-\text{R}_A^+$, $\text{CO}-\text{R}_A^+$, $\text{S}-\text{R}_A^+$, SOR_A^+ , $\text{COO}-\text{R}_A^+$, NR_A^+ , $\text{COO}-\text{R}_A^+$, $\text{O}-\text{CH}_2-\text{COO}-\text{R}_A^+$,
 $\text{NR}_A^2\text{R}_A^3$, CONH_2 , SO_2NH_2 , $\text{NR}_A^+\text{CO}-\text{R}_A^+$, SO_2R_A^+ , $\text{NR}_A^+\text{SO}_2\text{R}_A^+$, $\text{SO}_2\text{NR}_A^2\text{R}_A^3$ or
 $\text{CO}-\text{NR}_A^2\text{R}_A^3$;

 R_A^1 :

each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene- C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_4 -alkylene-aryl, C_2-C_6 -alkenylene-aryl or C_4-C_4 -alkylene-hetaryl;

 R_A^2 :hydrogen, OH, CN, or

each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_4-C_4 -alkylene- C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_4 -alkylene-aryl, C_4-C_4 -alkylene-hetaryl, C_4-C_6 -alkylene- $\text{O}-\text{C}_4-\text{C}_6$ -alkyl, $\text{CO}-\text{C}_4-\text{C}_6$ -alkyl, $\text{CO}-\text{aryl}$, $\text{CO}-\text{hetaryl}$, $\text{CO}-\text{C}_4-\text{C}_4$ -alkylene-aryl, $\text{CO}-\text{C}_4-\text{C}_4$ -alkylene-hetaryl, $\text{CO}-\text{O}-\text{C}_4-\text{C}_6$ -alkyl, $\text{CO}-\text{O}-\text{aryl}$, $\text{CO}-\text{O}-\text{C}_4-\text{C}_4$ -alkylene-aryl, $\text{CO}-\text{O}-\text{hetaryl}$, $\text{CO}-\text{O}-\text{C}_4-\text{C}_4$ -alkylene-hetaryl;

~~alkylene hetaryl, $\text{SO}_2\text{C}_4\text{C}_6$ -alkyl, SO_2 -aryl, SO_2 -hetaryl, $\text{SO}_2\text{C}_4\text{C}_4$ -alkylene aryl or $\text{SO}_2\text{C}_4\text{C}_4$ -alkylene hetaryl;~~

$\mathbf{R_A}^3:$

~~each optionally substituted C_4C_6 -alkyl, C_2C_6 -alkenyl, C_2C_6 -alkynyl, C_4C_4 -alkylene- C_5C_7 -cycloalkyl, C_4C_4 -alkylene heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4C_4 -alkylene-aryl, C_4C_4 -alkylene-hetaryl, C_4C_6 -alkylene- $\text{O-C}_4\text{C}_6$ -alkyl, $\text{CO-C}_4\text{C}_6$ -alkyl, $\text{CO-C}_4\text{C}_6$ -aryl, $\text{CO-C}_4\text{C}_6$ -hetaryl, $\text{CO-C}_4\text{C}_4$ -alkylene-aryl, $\text{CO-C}_4\text{C}_4$ -alkylene-hetaryl, $\text{CO-C}_4\text{C}_4$ -alkylene-aryl, $\text{CO-O-C}_4\text{C}_4$ -alkylene-aryl, $\text{CO-O-C}_4\text{C}_4$ -hetaryl, $\text{CO-O-C}_4\text{C}_4$ -alkylene-hetaryl, $\text{SO}_2\text{C}_4\text{C}_6$ -alkyl, SO_2 -aryl, SO_2 -hetaryl, $\text{SO}_2\text{C}_4\text{C}_4$ -alkylene aryl or $\text{SO}_2\text{C}_4\text{C}_4$ -alkylene hetaryl;~~

~~or the moieties $\mathbf{R_A}^2$ and $\mathbf{R_A}^3$ form, together with the nitrogen, a 3 to 7 membered, optionally substituted, saturated or aromatic heterocycle, which can contain one, two or three further different or identical heteroatoms from the group O, N, S; wherein optionally two moieties substituted on this heterocycle can together form an annelated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms, O, N, S and wherein the so formed cycle can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;~~

$\mathbf{R_A}^4:$

~~hydrogen, or~~

~~each optionally substituted C_4C_6 -alkyl, C_4C_6 -alkylene- $\text{O-C}_4\text{C}_6$ -alkyl, C_2C_6 -alkenyl, C_3C_{12} -alkynyl, $\text{CO-C}_4\text{C}_6$ -alkyl, $\text{CO-O-C}_4\text{C}_6$ -alkyl, $\text{SO}_2\text{C}_4\text{C}_6$ -alkyl, C_3C_7 -cycloalkyl, aryl, C_4C_4 -alkylene-aryl, $\text{CO-O-C}_4\text{C}_4$ -arylalkyl, $\text{CO-C}_4\text{C}_4$ -alkylene-aryl, $\text{CO-C}_4\text{C}_6$ -aryl, SO_2 -aryl, hetaryl, $\text{CO-C}_4\text{C}_4$ -hetaryl or $\text{SO}_2\text{C}_4\text{C}_4$ -alkylene-aryl;~~

B:

~~hydrogen or as moiety A is defined,~~

~~or each independently of one another two of the moieties A, B or R_w¹ together form a 3 to 7 membered, optionally substituted, saturated or unsaturated carbocycle with an optionally substituted, saturated or unsaturated or aromatic heterocycle which can contain one, two or three further different or identical heteroatoms from the group O, N, S; wherein optionally two moieties substituted on this carbocycle or heterocycle can form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and wherein the cycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;~~

R_w¹:

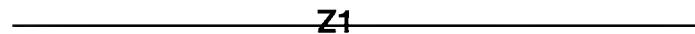
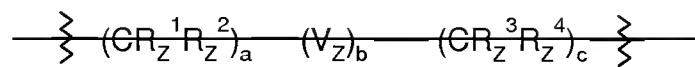
~~hydrogen, OH, halogen, NO₂, NH₂, CN, CF₃, CHF₂, O-CF₃, O-CHF₂, or each optionally substituted C₄-C₆-alkyl, C₃-C₇-cycloalkyl, C₄-C₆-alkylene-O-C₄-C₆-alkyl, C₄-C₆-alkylene-S-C₄-C₆-alkyl, aryl, hetaryl, O-C₄-C₆-alkyl, O-aryl, O-benzyl, C₄-C₆-alkylamino, C₄-C₆-diethylamino, pyrrolidinyl, piperidinyl, morpholinyl, CO-C₄-C₆-alkyl, SO₂-C₄-C₆-alkyl, CO-aryl, SO₂-aryl, CO-C₄-C₆-alkylene-aryl, SO₂-C₄-C₆-alkylene-aryl, SO₂-aryl, CONH₂, CONH-C₄-C₆-alkyl, SO₂-NH-C₄-C₆-alkyl, CON(C₄-C₆-alkyl)₂, SO₂N(C₄-C₆-alkyl)₂, NH-SO₂-C₄-C₆-alkyl or NH-CO-C₄-C₆-alkyl;~~

D:

~~as moiety A is defined;~~

Z:

~~a moiety of the general formula Z1~~



~~with the indices~~

~~a = 0-4~~

~~— b = 0, 1~~

~~— c = 0 - 4~~

~~— wherein the sum of a, b and c is no more than 5;~~

R_z¹, R_z², R_z³, R_z⁴ independently of one another:

hydrogen, halogen, OH, or

each optionally substituted C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₄-C₆-alkylene-C₃-C₇-cycloalkyl, C₃-C₇-cycloalkyl, aryl, C₄-C₄-alkylene aryl, hetaryl or C₄-C₄-alkylene-hetaryl, or

each independently of one another two moieties R_z¹ and R_z² or R_z³ and R_z⁴ together form a 3 to 7 membered, optionally substituted, saturated or unsaturated carbocyclic or heterocycle, which can contain up to three heteroatoms from the group O, N or S;

V_z:

CO, CO NR_z⁵, NR_z⁵CO, O, S, SO, SO₂, SO₂NR_z⁵, NR_z⁵SO₂,
 CS, CS NR_z⁵, NR_z⁵CS, CS O, O CS, CO O, O CO, O, ethynylene,
 C(=CR_z⁶R_z⁷), CR_z⁶=CR_z⁷, NR_z⁵CO NR_z^{5*}, O CO NR_z⁵, NR_z⁵;

R_z⁵, R_z^{5*} independently of one another:

hydrogen, or

each optionally substituted C₁-C₆-alkyl, C₄-C₆-alkylene-O-C₄-C₆-alkyl, C₂-C₆-alkenyl, C₃-C₄-alkynyl, CO-C₄-C₆-alkyl, CO-O-C₄-C₆-alkyl, SO₂-C₄-C₆-alkyl, C₃-C₇-cycloalkyl, Aryl, C₄-C₄-alkylene aryl, CO-O-C₄-C₄-alkylene aryl, CO-C₄-C₄-alkylene aryl, CO-aryl, SO₂-aryl, hetaryl, CO hetaryl or SO₂-C₄-C₄-alkylene aryl;

R_z⁶, R_z⁷ independently of one another:

hydrogen, OH, or

each optionally substituted C₁-C₆-alkyl, C₄-C₄-alkoxy, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₄-C₆-alkylene-C₃-C₇-cycloalkyl, C₃-C₇-cycloalkyl, aryl, C₄-C₄-alkylene aryl, hetaryl or C₄-C₄-alkylene-hetaryl;

R¹, R², R³ independently of one another:

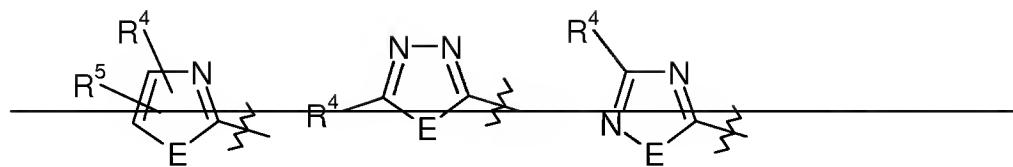
— hydrogen, OH, CN, or

each optionally substituted C₁-C₆-alkyl, O-C₁-C₆-alkyl, C₁-C₆-alkylene-O-C₁-C₆-alkyl,
C₃-C₇-cycloalkyl, O-C₃-C₇-cycloalkyl, aryl, hetaryl, C₁-C₄-alkylene-aryl, C₁-C₄-alkylene-
hetaryl, O-aryl, O-C₁-C₄-alkylene-aryl, O-hetaryl, O-C₁-C₄-alkylene-hetaryl, CO-C₁-
C₆-alkyl, CO-aryl, CO-hetaryl, CO-C₁-C₄-alkylene-aryl, CO-C₁-C₄-alkylene-hetaryl,
CO-O-C₁-C₆-alkyl, CO-O-aryl, CO-O-hetaryl, CO-O-C₁-C₄-alkylene-aryl, SO₂-C₁-C₆-
alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₁-C₄-alkylene-Aryl, OCO-C₁-C₆-alkyl, OCO-aryl,
OCO-hetaryl, OCO-C₁-C₄-alkylene-aryl, OCO-C₁-C₄-alkylene-hetaryl, SO₂-C₁-C₆-
alkyl, SO₂-aryl, SO₂-hetaryl or SO₂-C₁-C₄-alkylene-aryl, or

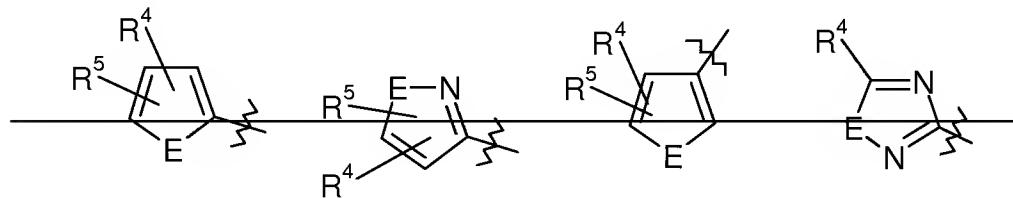
each independently from the third moiety two moieties of R¹, R² or R³ together form
a 5 to 7 membered, optionally substituted, saturated or unsaturated carbocycle or an
optionally substituted, saturated or unsaturated, which can contain one, two or three
further different or identical heteroatoms from the group O, N, S, wherein optionally
two moieties substituted on this carbo- or heterocycle can together form an
annulated, saturated, unsaturated, or aromatic carbocycle or heterocycle, wherein the
heterocycle can contain up to three different or identical heteroatoms O, N, S and
wherein the cycle formed can be optionally substituted or a further, optionally
substituted cycle can be condensed onto this cycle;

Q:

a doubly substituted 5-membered hetaryl moiety, chosen from Q1 to Q7



Q2 Q3



Q4 Q5 Q6 Q7

$E:$ $\text{O}, \text{N}R_Q^{\pm}$ or $\text{S};$

R_Q^{\pm} :

hydrogen, or

each optionally substituted C_1-C_{10} -alkyl, $CO-C_1-C_{10}$ -alkyl, $SO_2-C_1-C_{10}$ -alkyl, $CO-O-C_1-C_{10}$ -alkyl, aryl, C_1-C_4 -alkylene aryl, CO -aryl, CO -hetaryl, SO_2 -aryl, SO_2 -hetaryl, $CO-O-C_1-C_4$ -alkylene aryl, $CO-O-C_1-C_{10}$ -alkylene aryl or $CO-O-C_1-C_4$ -alkylene aryl;

R^4, R^5 each independently of one another, a moiety chosen from the groups 1[[.]], 2[[.]], 3[[.]], 4[[.]], 5[[.]], 6[[.]] or 7[[.]];

1[[.]] hydrogen, halogen, CN , CF_3 , CHF_2 , or

each optionally substituted C_1-C_{10} -alkyl, C_2-C_{10} -alkenyl, C_2-C_{10} -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_6 -alkylene C_3-C_7 -cycloalkyl, C_4-C_6 -alkylene aryl, C_4-C_6 -alkylene hetaryl, C_4-C_6 -alkylene $O-C_1-C_6$ -alkyl, C_4-C_6 -alkylene O -aryl, $COO-C_1-C_4$ -alkyl or C_4-C_4 -alkylene $COO-C_1-C_4$ -alkyl;

~~2[[.]]) phenyl or naphthyl, which are substituted with \mathbf{R}_Q^2 , \mathbf{R}_Q^3 and \mathbf{R}_Q^4 ;~~
~~wherein~~

~~\mathbf{R}_Q^2 , \mathbf{R}_Q^3 and \mathbf{R}_Q^4 each independently of one another represent a substituent from the following group:~~

~~hydrogen, NO_2 , NH_2 , OH , CN , CF_3 , CHF_2 , OCF_3 , OCHF_2 , COOH , $\text{O}-\text{CH}_2-\text{COOH}$, SH , halogen, or~~

~~each optionally substituted aryl, hetaryl, heterocycloalkyl, C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, C_4-C_4 -alkylene aryl or C_4-C_4 -alkylene hetaryl, or $\text{O}-\mathbf{R}_Q^5$, $\text{S}-\mathbf{R}_Q^5$, $\text{NR}_Q^7-\mathbf{R}_Q^8$, $\text{CO}-\text{OR}_Q^6$, $\text{NR}_Q^8-\text{CO}-\text{O}-\mathbf{R}_Q^6$, $\text{O}-\text{CH}_2-\text{COO}-\mathbf{R}_Q^6$, $\text{NR}_Q^8-\text{CO}-\mathbf{R}_Q^6$, $\text{SO}_2-\mathbf{R}_Q^6$, $\text{NR}_Q^8-\text{SO}_2-\mathbf{R}_Q^6$, SO_2NH_2 , CONH_2 , $\text{SO}_2-\text{NR}_Q^7-\mathbf{R}_Q^8$ or $\text{CO}-\text{NR}_Q^7-\mathbf{R}_Q^8$, or~~

~~two of the moieties \mathbf{R}_Q^2 , \mathbf{R}_Q^3 or \mathbf{R}_Q^4 together form a 3 to 7 membered, optionally substituted, saturated, unsaturated carbocycle or an optionally substituted, saturated, unsaturated aromatic heterocycle which can contain up to three further different or identical heteroatoms O, N, S, and optionally two moieties substituted on this heterocycle can form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S, and the cycle formed may optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;~~

\mathbf{R}_Q^5 —~~each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -alkylene C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene heterocycloalkyl, heterocycloalkyl, aryl or hetaryl;~~

\mathbf{R}_Q^6 —~~each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene heterocycloalkyl, aryl, hetaryl, heterocycloalkyl or C_4-C_6 -alkylene $\text{O}-\text{C}_4-\text{C}_6$ -alkyl;~~

\mathbf{R}_Q^7 — hydrogen, OH, CN, or
~~each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_6 -alkylene $O-C_4-C_6$ -alkyl, $CO-C_4-C_6$ -alkyl, C_4-C_4 -alkylene aryl, C_4-C_4 -alkylene hetaryl, $CO-O$ aryl, $CO-O$ hetaryl, $CO-C_4-C_4$ -alkylene aryl, $CO-C_4-C_4$ -alkylene hetaryl, $CO-O-C_4-C_6$ -alkyl, $CO-O$ aryl, $CO-O-C_4-C_4$ -alkylene aryl, $CO-O$ hetaryl, $CO-O-C_4-C_4$ -alkylene hetaryl, $SO_2-C_4-C_6$ -alkyl, SO_2 -aryl, SO_2 -hetaryl, $SO_2-C_4-C_4$ -alkylene aryl or $SO_2-C_4-C_4$ -alkylene hetaryl;~~

\mathbf{R}_Q^8 — hydrogen or
~~each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_6 -alkylene $O-C_4-C_6$ -alkyl, $CO-C_4-C_6$ -alkyl, $CO-O$ aryl, $CO-O$ hetaryl, $CO-C_4-C_4$ -alkylene aryl, $CO-C_4-C_4$ -alkylene hetaryl, $CO-O-C_4-C_6$ -alkyl, $CO-O$ aryl, $CO-O-C_4-C_4$ -alkylene aryl, $CO-O$ hetaryl, $CO-O-C_4-C_4$ -alkylene hetaryl, $SO_2-C_4-C_6$ -alkyl, SO_2 -aryl, SO_2 -hetaryl, $SO_2-C_4-C_4$ -alkylene aryl or $SO_2-C_4-C_4$ -alkylene hetaryl;~~

or both moieties \mathbf{R}_Q^7 and \mathbf{R}_Q^8 form, together with the nitrogen, a 3 to 7 membered, optionally substituted, saturated or aromatic heterocycle, which can contain one, two or three different or identical heteroatoms O, N, S; and optionally two moieties substituted on this heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S, and the cycle formed can be optionally substituted or a further, optionally substituted cycle can be condensed onto this cycle;

3[[.]] a 5- or 6-membered, hetaryl moiety, optionally substituted with 1 or 2 substituents from the group consisting of:

~~2-furyl, 3-furyl, 2-pyrrolyl, 3-pyrrolyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, 2-thiazolyl, 4-thiazolyl, 5-thiazolyl, 2-oxazolyl, 4-oxazolyl, 5-oxazolyl, 2-pyrimidyl, 4-pyrimidyl, 5-pyrimidyl, 6-pyrimidyl, 3-pyrazolyl, 4-pyrazolyl, 5-pyrazolyl, 3-isothiazolyl, 4-isothiazolyl, 5-isothiazolyl, 2-imidazolyl, 4-imidazolyl, 5-imidazolyl, 3-pyridazinyl, 4-pyridazinyl, 5-pyridazinyl, 6-pyridazinyl, 3-isoxazolyl, 4-isoxazolyl, 5-isoxazolyl, thiadiazolyl, oxadiazolyl or triazinyl or their anellated derivatives indazolyl, indolyl, benzothiophenyl, benzofuranyl, indolinyl, benzimidazolyl, benzthiazolyl, benzoxazolyl, chinolinyl and isochinolinyl;~~

4[[.]]) both moieties **R⁴** and **R⁵** together form a 4 to 7 membered, optionally substituted, saturated or unsaturated or aromatic carbocycle or a 5- or 6-membered optionally substituted, saturated or unsaturated or aromatic heterocycle, which can contain up to three further different or identical heteroatoms O, N, S, and which can be substituted with up to two further moieties, wherein optionally two moieties substituted on this carbocycle or heterocycle together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and wherein the cycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;

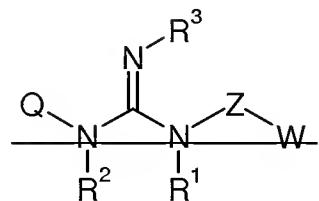
5[[.]]) a C₆-C₄₀-bi- or tricyclic, saturated hydrocarbon moiety;

6[[.]]) each optionally substituted C₁-C₈-alkyl-NH₂, C₁-C₈-alkyl-NR_Q⁷R_Q⁸, C₁-C₈-alkyl-CO-NR_Q⁷R_Q⁸, C₁-C₈-alkyl-SO₂-NR_Q⁷R_Q⁸, C₁-C₈-alkyl-CO-NH₂, C₁-C₈-alkyl-SO₂-NH₂, CO-NH₂, CO-NR_Q⁷R_Q⁸, SO₂-NH₂, SO₂-NR_Q⁷R_Q⁸, NR_Q⁷R_Q⁸;

7[[.]]) a 4-7 membered mono- or bicyclic saturated or unsaturated heterocycle, which can contain up to two different or identical heteroatoms from the group O, N or S, wherein this cycle can also be multiply substituted. For the

~~case that the heterocycle contains an N atom, this can be substituted with an R_Q⁷ moiety.~~

17. (Withdrawn, Currently Amended) A method of treating a patient having a disease modulated by 5-HT₅ receptor activity comprising administering to said patient ~~and an~~ effective amount of ~~the compound of claim 2, a guanidine compound of the general formula IA~~



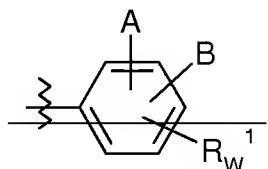
IA

~~of the corresponding enantiomeric, diastereomeric and/or tautomeric forms thereof as well as pharmaceutically acceptable salts thereof,~~

~~wherein the given moieties have the following definitions:~~

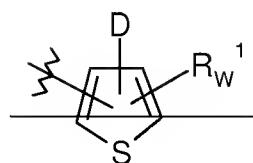
~~W:~~

~~a moiety of the general formula W1 or W2~~



W1

~~or~~



W2

~~A:~~

~~NO₂, NH₂, OH, CN, CF₃, OCF₃, CHF₂, OCHF₂, COOH, O-CH₂-COOH, halogen, SH, or~~

each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene- C_3-C_7 -cycloalkyl or C_4-C_4 -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_4 -alkylene-hetaryl or C_4-C_4 -alkylene-aryl, or $\text{O}-R_A^+, \text{CO}-R_A^+, \text{S}-R_A^+, \text{SO}-R_A^+, \text{COO}-R_A^+, \text{NR}_A^+-\text{COO}-R_A^+, \text{O}-\text{CH}_2-\text{COO}-R_A^+$, $\text{NR}_A^2R_A^3, \text{CONH}_2, \text{SO}_2\text{NH}_2, \text{NR}_A^4-\text{CO}-R_A^+, \text{SO}_2-R_A^+, \text{NR}_A^4-\text{SO}_2-R_A^+, \text{SO}_2-\text{NR}_A^2R_A^3$ or $\text{CO}-\text{NR}_A^2R_A^3$;

 $R_A^1:$

each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene- C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_4 -alkylene-aryl, C_2-C_6 -alkenylene-aryl or C_4-C_4 -alkylene-hetaryl;

 $R_A^2:$

hydrogen, OH, CN, or

each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_4-C_4 -alkylene- C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_4 -alkylene-aryl, C_4-C_4 -alkylene-hetaryl, C_4-C_6 -alkylene-O- C_4-C_6 -alkyl, $\text{CO}-C_4-C_6$ -alkyl, CO -aryl, CO -hetaryl, $\text{CO}-C_4-C_4$ -alkylene-aryl, $\text{CO}-C_4-C_4$ -alkylene-hetaryl, $\text{CO}-\text{O}-C_4-C_6$ -alkyl, $\text{CO}-\text{O}-\text{aryl}$, $\text{CO}-\text{O}-C_4-C_4$ -alkylene-aryl, $\text{CO}-\text{O}-\text{hetaryl}$, $\text{CO}-\text{O}-C_4-C_4$ -alkylene-hetaryl, $\text{SO}_2-C_4-C_6$ -alkyl, SO_2 -aryl, SO_2 -hetaryl, $\text{SO}_2-C_4-C_4$ -alkylene-aryl or $\text{SO}_2-C_4-C_4$ -alkylene-hetaryl;

 $R_A^3:$

each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_4-C_4 -alkylene- C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_4 -alkylene-aryl, C_4-C_4 -alkylene-hetaryl, C_4-C_6 -alkylene-O- C_4-C_6 -alkyl, $\text{CO}-C_4-C_6$ -alkyl, CO -aryl, CO -hetaryl, $\text{CO}-C_4-C_4$ -alkylene-aryl, $\text{CO}-C_4-C_4$ -alkylene-hetaryl, $\text{CO}-\text{O}-C_4-C_6$ -alkyl, $\text{CO}-\text{O}-\text{aryl}$, $\text{CO}-\text{O}-C_4-C_4$ -alkylene-aryl, $\text{CO}-\text{O}-\text{hetaryl}$, $\text{CO}-\text{O}-C_4-C_4$ -alkylene-hetaryl, $\text{SO}_2-C_4-C_6$ -alkyl, SO_2 -aryl, SO_2 -hetaryl, $\text{SO}_2-C_4-C_4$ -alkylene-aryl or $\text{SO}_2-C_4-C_4$ -alkylene-hetaryl;

~~or the moieties \mathbf{R}_A^2 and \mathbf{R}_A^3 form, together with the nitrogen, a 3 to 7 membered, optionally substituted, saturated or aromatic heterocycle, which can contain one, two or three further different or identical heteroatoms from the group O, N, S; wherein optionally two moieties substituted on this heterocycle together can form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S, and wherein the so-formed cycle can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;~~

\mathbf{R}_A^4 :

~~hydrogen, or~~

~~each optionally substituted C_4-C_6 -alkyl, C_4-C_6 -alkylene-O- C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_3-C_{12} -alkynyl, CO- C_4-C_6 -alkyl, CO-O- C_4-C_6 -alkyl, SO₂- C_4-C_6 -alkyl, C_3-C_7 -cycloalkyl, aryl, C_4-C_6 -alkylene aryl, CO-O-arylalkyl, CO- C_4-C_6 -alkylene aryl, CO-aryl, SO₂-aryl, hetaryl, CO-hetaryl or SO₂- C_4-C_6 -alkylene aryl;~~

B:

~~hydrogen or as moiety A is defined,~~

~~or each independently from another, two of the moieties A, B or \mathbf{R}_w^4 together form a 3 to 7 membered, optionally substituted, saturated or unsaturated carbocycle or an optionally substituted, saturated or unsaturated or aromatic heterocycle, which can contain one, two or three further different or identical heteroatoms from the group O, N, S; wherein optionally two moieties substituted on this carbo- or heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and wherein the heterocycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;~~

\mathbf{R}_w^4 :

~~hydrogen, OH, halogen, NO₂, NH₂, CN, CF₃, CHF₂, O-CF₃, O-CHF₂, or~~

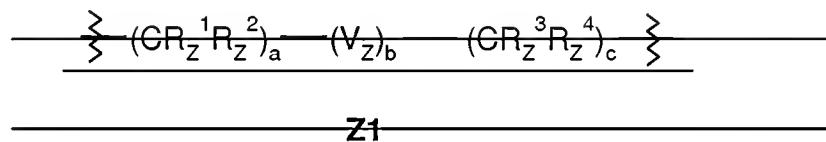
each optionally substituted C_4-C_6 -alkyl, C_3-C_7 -cycloalkyl, C_4-C_6 -alkylene-O- C_4-C_6 -alkyl, C_4-C_6 -alkylene-S- C_4-C_6 -alkyl, aryl, hetaryl, O- C_4-C_6 -alkyl, O-aryl, O-benzyl, C_4-C_6 -alkylamino, C_4-C_6 -dialkylamino, pyrrolidinyl, piperidinyl, morpholinyl, CO- C_4-C_6 -alkyl, $SO_2-C_4-C_6$ -alkyl, CO-aryl, SO_2 -aryl, CO- C_4-C_6 -alkylene-aryl, $SO_2-C_4-C_6$ -alkylene-aryl, SO_2 -aryl, CONH₂, CONH-C₄-C₆-alkyl, $SO_2NH-C_4-C_6$ -alkyl, CON(C₄-C₆-alkyl), $SO_2N(C_4-C_6$ -alkyl), NH-SO₂- C_4-C_6 -alkyl or NH-CO-C₄-C₆-alkyl;

D:

as moiety A is defined;

Z:

a moiety of the general formula Z1



with the indices

a = 0-4

b = 0, 1

c = 0-4

wherein the sum of a, b and c is no more than 5;

 $R_z^1; R_z^2; R_z^3; R_z^4$ independently of one another:

hydrogen, halogen, OH, or

each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_4-C_6 -alkylene- C_3-C_7 -cycloalkyl, C_3-C_7 -cycloalkyl, aryl, C_4-C_6 -alkylene-aryl, hetaryl or C_4-C_6 -alkylene-hetaryl, oreach independently of one another, two moieties R_z^1 and R_z^2 or R_z^3 and R_z^4 together form a 3 to 7-membered, optionally substituted, saturated or unsaturated carbo- or

~~heterocycle, which can contain up to three heteroatoms from the group O, N or S;~~

V_z:

~~—CO, CO NR_z⁵, NR_z⁵CO, O, S, SO, SO₂, SO₂NR_z⁵, NR_z⁵SO₂,~~
~~CS, CS NR_z⁵, NR_z⁵CS, CS O, O CS, CO O, O CO, O, ethynylene,~~
~~C(=CR_z⁶R_z⁷), CR_z⁶=CR_z⁷, NR_z⁵CO NR_z^{5*}, O CO NR_z⁵, NR_z⁵,~~

R_z⁵, R_z^{5*} independently of one another:

~~hydrogen, or~~

~~each optionally substituted C₄-C₆-alkyl, C₄-C₆-alkylene-O-C₄-C₆-alkyl, C₂-C₆-alkenyl,
 C₃-C₄₂-alkynyl, CO-C₄-C₆-alkyl, CO-O-C₄-C₆-alkyl, SO₂-C₄-C₆-alkyl, C₃-C₇-cycloalkyl,
 aryl, C₄-C₄-alkylene aryl, CO-O-C₄-C₄-alkylene aryl, CO-C₄-C₄-alkylene aryl, CO-aryl,
 SO₂-aryl, hetaryl, CO-hetaryl or SO₂-C₄-C₄-alkylene aryl;~~

R_z⁶, R_z⁷ independently of one another:

~~hydrogen, OH, or~~

~~each optionally substituted C₄-C₆-alkyl, C₄-C₄-alkoxy, C₂-C₆-alkenyl, C₂-C₆-alkynyl,
 C₄-C₆-alkylene-C₃-C₇-cycloalkyl, C₃-C₇-cycloalkyl, aryl, C₄-C₄-alkylene aryl, hetaryl or
 C₄-C₄-alkylene hetaryl;~~

R¹, R², R³ independently of one another:

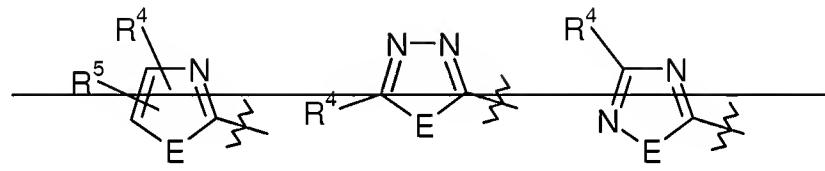
~~hydrogen, OH, CN, or~~

~~each optionally substituted C₄-C₆-alkyl, O-C₄-C₆-alkyl, C₄-C₆-alkylene-O-C₄-C₆-alkyl,
 C₃-C₇-cycloalkyl, O-C₃-C₇-cycloalkyl, aryl, hetaryl, C₄-C₄-alkylene aryl, C₄-C₄-alkylene
 hetaryl, O-aryl, O-C₄-C₄-alkylene aryl, O-hetaryl, O-C₄-C₄-alkylene hetaryl, CO-C₄-
 alkyl, CO-aryl, CO-hetaryl, CO-C₄-C₄-alkylene aryl, CO-C₄-C₄-alkylene hetaryl,
 CO-O-C₄-C₆-alkyl, CO-O-aryl, CO-O-hetaryl, CO-O-C₄-C₄-alkylene aryl, SO₂-C₄-C₆-
 alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₄-C₄-alkylene aryl, OCO-C₄-C₆-alkyl, OCO-aryl,
 OCO-hetaryl, OCO-C₄-C₄-alkylene aryl, OCO-C₄-C₄-alkylene hetaryl, SO₂-C₄-C₆-
 alkyl, SO₂-aryl, SO₂-hetaryl or SO₂-C₄-C₄-alkylene aryl, or~~

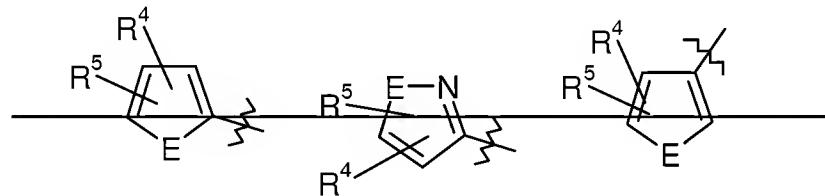
~~each independently of the third moiety, two moieties of \mathbf{R}^1 , \mathbf{R}^2 or \mathbf{R}^3 together form a 5 to 7 membered, optionally substituted, saturated or unsaturated carbocycle, or an optionally substituted, saturated or unsaturated, which can contain one, two or three different or identical heteroatoms from the group O, N, S, wherein optionally two moieties substituted on this carbo- or heterocycle can together form an annulated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle may contain up to three different or identical heteroatoms O, N, S and wherein the cycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;~~

Q:

~~a doubly substituted 5 membered hetaryl moiety, chosen from Q1 to Q6~~



Q1 Q2 Q3



Q4 Q5 Q6

E: $\text{O}, \text{N}-\mathbf{R}_Q^+$ or S ;

\mathbf{R}_Q^+ :

hydrogen, or

~~each optionally substituted C₄-C₄-alkyl, CO-C₄-C₄-alkyl, SO₂-C₄-C₄-alkyl, CO-O-C₄-C₄-alkyl, aryl, C₄-C₄-alkylene-aryl, CO-aryl, CO-hetaryl, SO₂-aryl, SO₂-hetaryl, CO-O-aryl, CO-C₄-C₄-alkylene-aryl, SO₂-C₄-C₄-alkylene-aryl or CO-O-C₄-C₄-alkylene-aryl;~~

~~R⁴, R⁵ each independently of one another a moiety chosen from the groups 1[[.]], 2[[.]], 3[[.]], 4[[.]] or 5[[.]]:~~

~~1[[.]] hydrogen, halogen, CN, CF₃, CHF₂, or~~

~~each optionally substituted C₄-C₄₀-alkyl, C₂-C₄₀-alkenyl, C₂-C₄₀-alkynyl, C₃-C₇-cycloalkyl, C₄-C₆-alkylene-C₃-C₇-cycloalkyl, C₄-C₄-alkylene-aryl, C₄-C₄-alkylene-hetaryl, C₄-C₆-alkylene-O-C₄-C₆-alkyl, C₄-C₆-alkylene-O-aryl, COO-C₄-C₄-alkyl or C₄-C₄-alkylene-COO-C₄-C₄-alkyl;~~

~~2[[.]] Phenyl or naphthyl, which are each substituted with R_Q², R_Q³ and R_Q⁴,~~

~~wherein~~

~~R_Q², R_Q³ and R_Q⁴ each independently from one another represent a substituent from the following group:~~

~~hydrogen, NO₂, NH₂, OH, CN, CF₃, CHF₂, OCF₃, OCHF₂, COOH, O-CH₂-COOH, SH, halogen, or~~

~~each optionally substituted aryl, hetaryl, heterocycloalkyl, C₄-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, C₃-C₇-cycloalkyl, C₄-C₄-alkylene-C₃-C₇-cycloalkyl, C₄-C₄-alkylene-hetaryl, C₄-C₄-alkylene-aryl or C₄-C₄-alkylene-hetaryl, or O-R_Q⁵, S-R_Q⁵, NR_Q⁷R_Q⁸, CO-OR_Q⁶, NR_Q⁸-CO-O-R_Q⁶, O-CH₂-COO-R_Q⁶, NR_Q⁸-CO-R_Q⁶, SO₂-R_Q⁶, NR_Q⁸-SO₂-R_Q⁶, SO₂-NH₂, CONH₂, SO₂-NR_Q⁷R_Q⁸ or CO-NR_Q⁷R_Q⁸, or~~

~~two of the moieties R_Q², R_Q³ or R_Q⁴ together form a 3 to 7 membered, optionally substituted, saturated, unsaturated carbocycle or an optionally substituted, saturated, unsaturated aromatic heterocycle, which can contain~~

~~up to three further different or identical heteroatoms O, N, S, and optionally two moieties substituted on this heterocycle together can form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S, and the cycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;~~

\mathbf{R}_Q^5 — each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, heterocycloalkyl, aryl or hetaryl;

\mathbf{R}_Q^6 — each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene- C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl or C_4-C_6 -alkylene-O- C_4-C_6 -alkyl;

\mathbf{R}_Q^7 — hydrogen, OH, CN, or
 each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene- C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_6 -alkylene-O- C_4-C_6 -alkyl, CO- C_4-C_6 -alkyl, C_4-C_4 -alkylene-aryl, C_4-C_4 -alkylene-hetaryl, CO-aryl, CO-hetaryl, CO- C_4-C_4 -alkylene-aryl, CO- C_4-C_4 -alkylene-hetaryl, CO-O- C_4-C_6 -alkyl, CO-O-aryl, CO-O- C_4-C_4 -alkylene-aryl, CO-O-hetaryl, CO-O- C_4-C_4 -alkylene-hetaryl, $SO_2-C_4-C_6$ -alkyl, SO_2 -aryl, SO_2 -hetaryl, $SO_2-C_4-C_4$ -alkylene-aryl or $SO_2-C_4-C_4$ -alkylene-hetaryl;

\mathbf{R}_Q^8 — each optionally substituted C_4-C_6 -alkyl, C_2-C_6 -alkenyl, C_2-C_6 -alkynyl, C_3-C_7 -cycloalkyl, C_4-C_4 -alkylene-heterocycloalkyl, aryl, hetaryl, heterocycloalkyl, C_4-C_6 -alkylene-O- C_4-C_6 -alkyl, CO- C_4-C_6 -alkyl, CO-aryl, CO-hetaryl, CO- C_4-C_4 -alkylene-aryl, CO- C_4-C_4 -alkylene-hetaryl, CO-O- C_4-C_6 -alkyl, CO-O-aryl, CO-

~~O-C₄-C₄-alkylene-aryl, CO-O-hetaryl, CO-O-C₄-C₄-alkylene-hetaryl, SO₂-C₄-C₆-alkyl, SO₂-aryl, SO₂-hetaryl, SO₂-C₄-alkylene-aryl or SO₂-C₄-alkylene-hetaryl;~~

~~or both moieties R_Q⁷ and R_Q⁸ form, together with the nitrogen, a 3 to 7 membered, optionally substituted, saturated or aromatic heterocycle, which can contain one, two or three further different or identical heteroatoms O, N, S; and optionally two moieties substituted on this heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or same heteroatoms O, N, S and the cycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;~~

~~3[[.]] a 5- or 6-membered, hetaryl moiety, optionally substituted with one or two substituents from the group consisting of:~~

~~2-furyl, 3-furyl, 2-pyrrolyl, 3-pyrrolyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, 2-thiazoly, 4-thiazoly, 5-thiazoly, 2-oxazoly, 4-oxazoly, 5-oxazoly, 2-pyrimidyl, 4-pyrimidyl, 5-pyrimidyl, 6-pyrimidyl, 3-pyrazoly, 4-pyrazoly, 5-pyrazoly, 3-isothiazoly, 4-isothiazoly, 5-isothiazoly, 2-imidazoly, 4-imidazoly, 5-imidazoly, 3-pyridazinyl, 4-pyridazinyl, 5-pyridazinyl, 6-pyridazinyl, 3-isoxazoly, 4-isoxazoly, 5-isoxazoly, thiadiazoly, oxadiazoly or triazinyl or their anellated derivatives indazoly, indoly, benzothiophenyl, benzofuranyl, indolinyl, benzimidazoly, benzthiazoly, benzoxazoly, chinolinyl and isochinolinyl;~~

~~4[[.]] both moieties R⁴ and R⁵ together form a 4 to 7-membered, optionally substituted, saturated or unsaturated or aromatic carbocycle or a 5- or 6-membered optionally substituted, saturated or unsaturated or aromatic heterocycle, which can contain up to three further different or identical~~

~~heteroatoms O, N, S, and can be substituted with up to two further moieties, wherein optionally two moieties substituted on this carbo- or heterocycle can together form an anellated, saturated, unsaturated or aromatic carbocycle or heterocycle, wherein the heterocycle can contain up to three different or identical heteroatoms O, N, S and wherein the cycle formed can optionally be substituted or a further, optionally substituted cycle can be condensed onto this cycle;~~

~~5[[.]] a C₆-C₄₀-bi- or tricyclic, saturated hydrocarbon moiety[[;]]]~~

18. (Withdrawn, Currently Amended) ~~A-The~~ method according to claim 16, wherein **R**⁴ and/or **R**⁵ have the following meanings:

2-pyridyl, 3-pyridyl, 4-pyridyl, 2-thienyl, 3-thienyl, benzothiophenyl, benzofuranyl, chinolinyl or isochinolinyl, which may optionally be substituted with 1 or 2 moieties.

19. (Withdrawn, Currently Amended) ~~A-The~~ method according to claim 16 where the disease is characterized by neuropathological, neuropsychiatric and neurodegenerative disorders, symptoms and dysfunctions.

20. (Withdrawn, Currently Amended) ~~A-The~~ method according to claim 16 where the disease is characterized by ~~migraine-migraine~~ and brain damage.

21. (Withdrawn, Currently Amended) ~~A-The~~ method according to claim 18 for the treatment of neuropathological, neuropsychiatric and neurodegenerative diseases, selected from the group consisting of cerebral ischemia, stroke, epilepsy and seizures in general, psychoses, schizophrenia, autism, OCD-syndrome, cognitive diseases, attention disorders, depressions, bipolar-and/or unipolar depressions, states of anxiety, dementia, senile dementia, Alzheimer dementia, demyelinizing diseases, multiple sclerosis and brain tumors.

22. (Withdrawn, Currently Amended) ~~A-The~~ method according to claim 16 for the treatment of diseases chosen from the group consisting of cerebral vascular disorders, pain,

disorders due to pain, addiction, disorders due to drugs, amnesia, alcohol abuse, drug abuse, disorders of the circadian rhythm and Cushing syndrome.